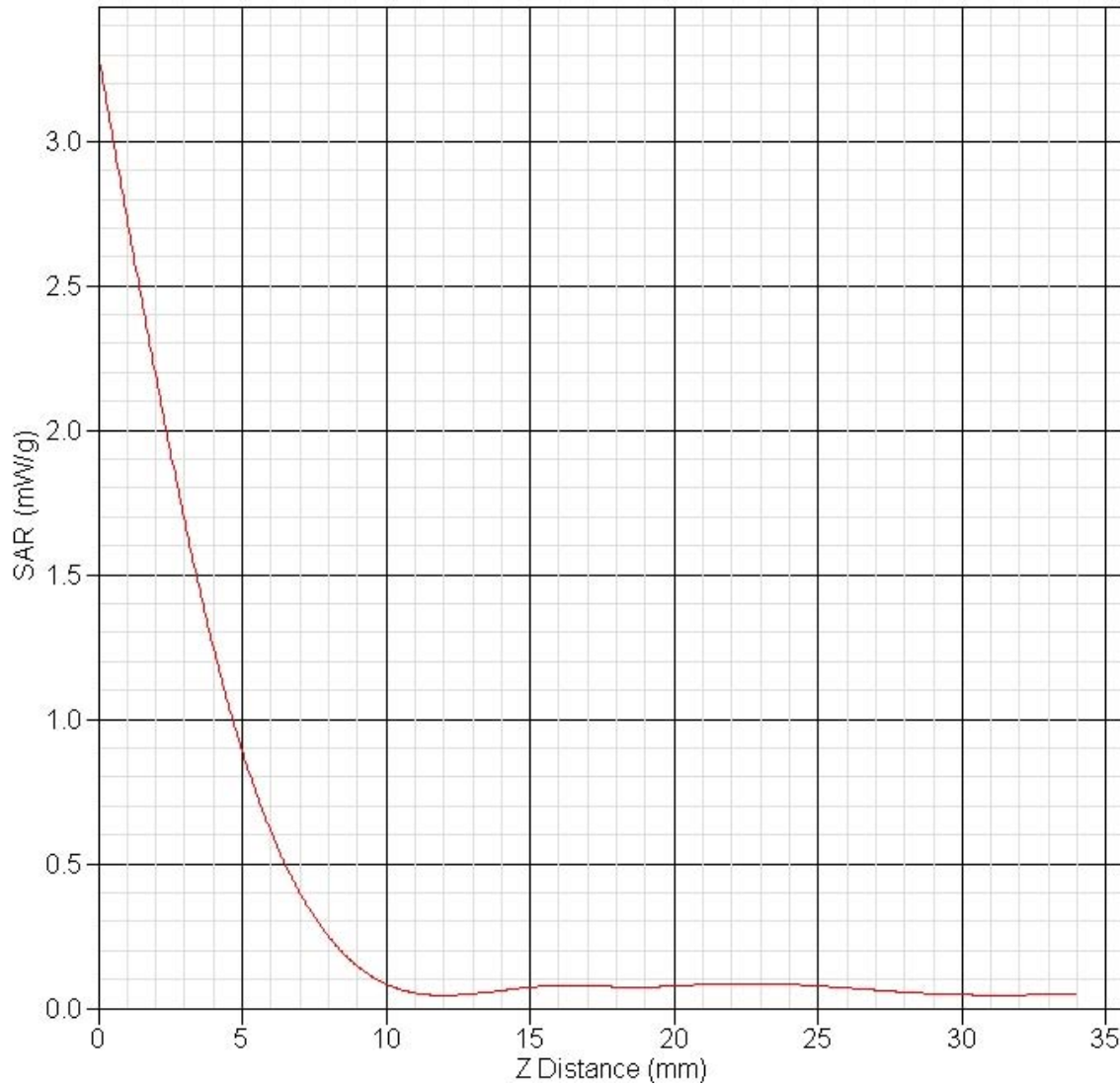


Exposure Assessment Measurement Uncertainty

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	5.5	rectangular	•3	1	1	2.1	2.1
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.)	2.4	normal	1	0.7	0.5	1.7	1.2
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	3.4	normal	1	0.6	0.5	2.0	1.7
Combined Uncertainty		RSS				10.6	10.6
Combined Uncertainty (coverage factor=2)		Normal (k=2)				21.3	20.8

SAR-Z Axis at Hotspot x:-19.97 y:-11.12



Project number: ITLB-6AMP-5294

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SAR Test Report

Report Date : 03-Jun-2008
 By Operator : 123
 Measurement Date : 03-Jun-2008
 Starting Time : 03-Jun-2008 05:13:23 PM
 End Time : 03-Jun-2008 06:26:32 PM
 Scanning Time : ##### secs

Product Data
 Device Name : Dell Diaz Tyco front
 Serial No. : ITLB-Dell-Diaz-Tyco-5345
 Type : Dipole
 Model : APL
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 100 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.040 W/kg
 Power Drift-Finish: 0.039 W/kg
 Power Drift (%) : -2.046
 Picture : diaz-tyco_front.bmp

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 : 02-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 47.26 F/m
 Sigma : 5.22 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-030
 Type : E-Field Triangle
 Serial No. : 018
 Last Calib. Date : 03-MAY-2008
 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

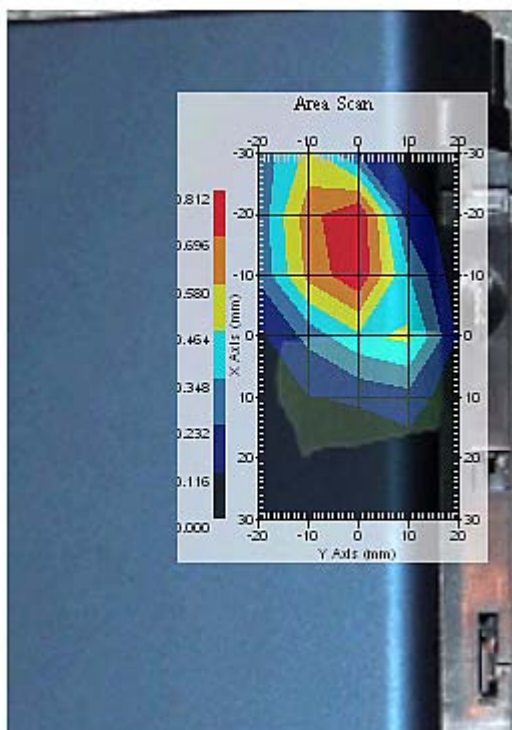
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 21.00 °C
 Ambient Temp. : 22.00 °C
 Set-up Date : 03-Jun-2008
 Set-up Time : 5:11:53 PM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid

Project number: ITLB-6AMP-5294





1 gram SAR value : 1.010 W/kg
Zoom Scan Peak SAR : 2.872 W/kg

Project number: ITLB-6AMP-5294

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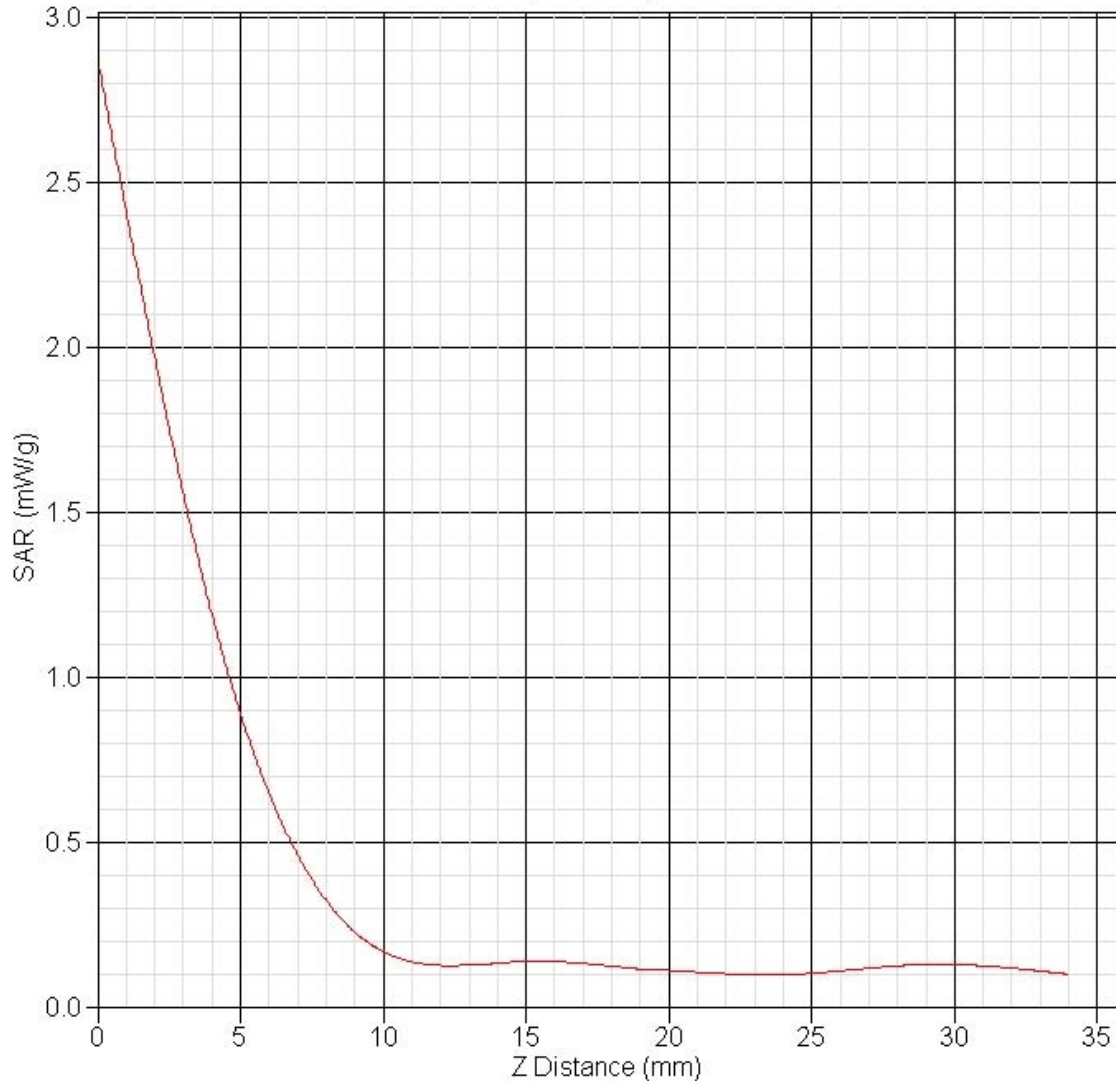
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Exposure Assessment Measurement Uncertainty

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	1.2	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.)	2.4	normal	1	0.7	0.5	1.7	1.2
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	3.4	normal	1	0.6	0.5	2.0	1.7
Combined Uncertainty		RSS				9.7	9.4
Combined Uncertainty (coverage factor=2)		Normal (k=2)				19.3	18.8

SAR-Z Axis at Hotspot x:-15.96 y:-4.15





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SAR Test Report

Report Date : 03-Jun-2008
 By Operator : 123
 Measurement Date : 03-Jun-2008
 Starting Time : 03-Jun-2008 05:51:25 PM
 End Time : 03-Jun-2008 07:02:33 PM
 Scanning Time : ##### secs

Product Data
 Device Name : Dell Diaz Tyco front
 Serial No. : ITLB-Dell-Diaz-Tyco-5345
 Type : Dipole
 Model : APL
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 100 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.119 W/kg
 Power Drift-Finish : 0.122 W/kg
 Power Drift (%) : 1.197
 Picture : diaz-tyco_front.bmp

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 : 02-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 47.26 F/m
 Sigma : 5.22 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-6AMP-5294





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Probe Data

Name : APREL
 Model : E-030
 Type : E-Field Triangle
 Serial No. : 018
 Last Calib. Date : 03-MAY-2008
 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

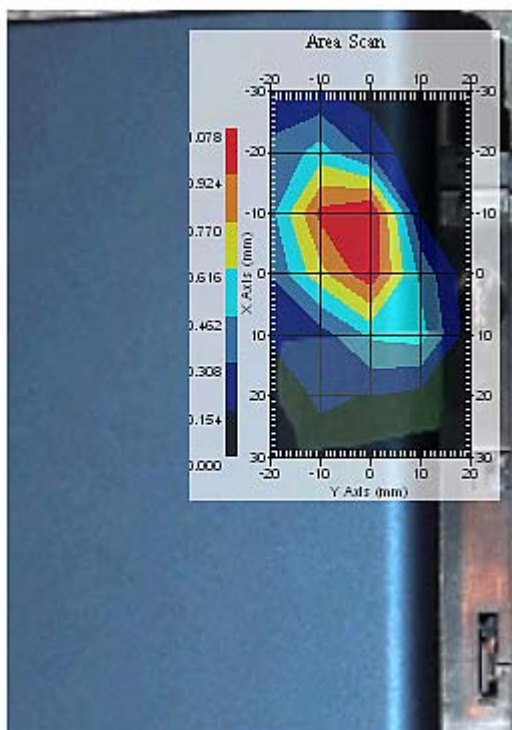
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 21.00 °C
 Ambient Temp. : 22.00 °C
 Set-up Date : 03-Jun-2008
 Set-up Time : 5:50:19 PM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid

Project number: ITLB-6AMP-5294





1 gram SAR value : 1.290 W/kg
 Zoom Scan Peak SAR : 3.652 W/kg

Project number: ITLB-6AMP-5294

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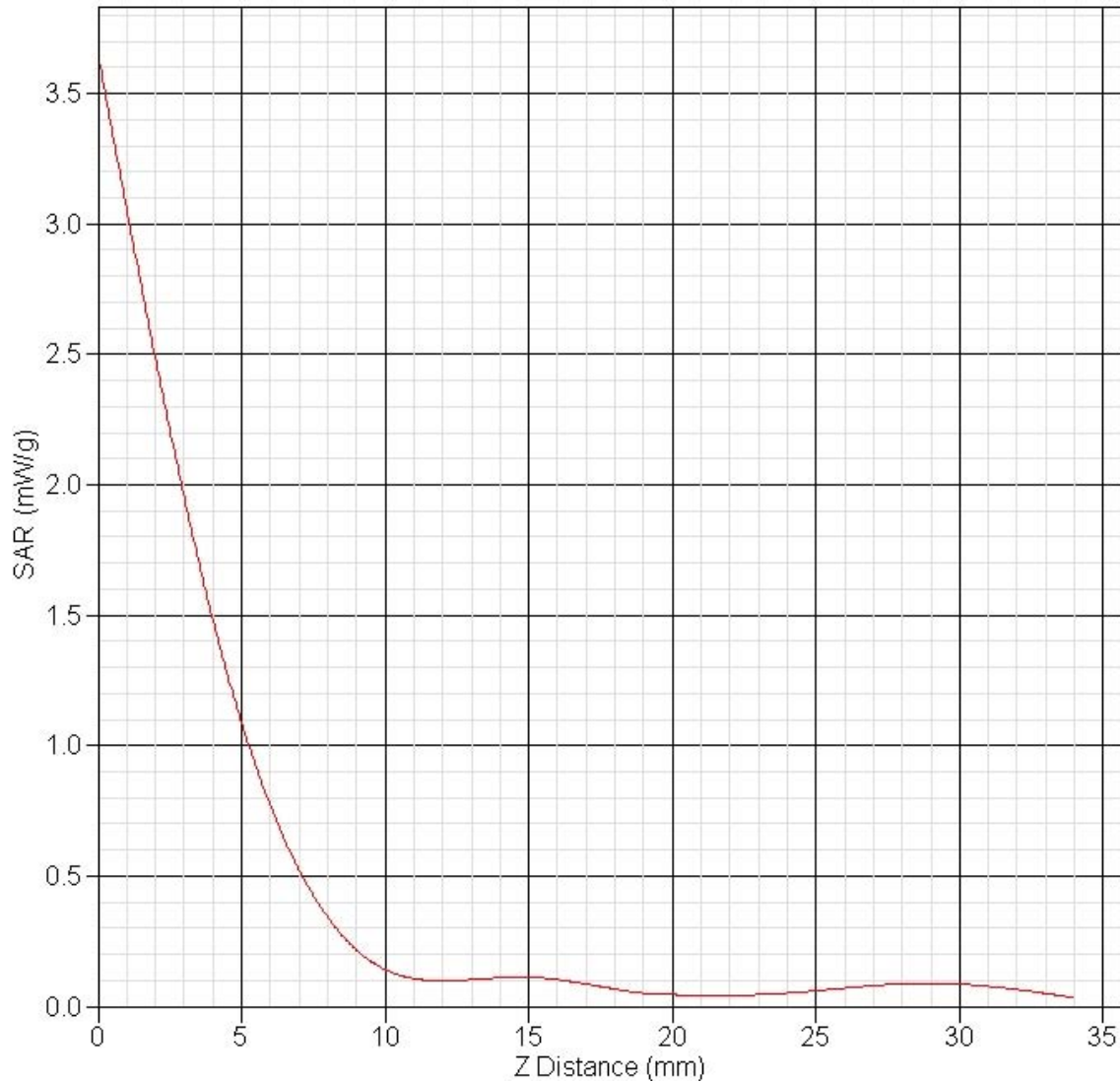
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Exposure Assessment Measurement Uncertainty

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	1.2	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.)	2.4	normal	1	0.7	0.5	1.7	1.2
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	3.4	normal	1	0.6	0.5	2.0	1.7
Combined Uncertainty		RSS				10.1	9.9
Combined Uncertainty (coverage factor=2)		Normal (k=2)				20.0	19.9

SAR-Z Axis at Hotspot x:-5.97 y:-4.10



Project number: ITLB-6AMP-5294

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SAR Test Report

Report Date : 03-Jun-2008
 By Operator : 123
 Measurement Date : 03-Jun-2008
 Starting Time : 03-Jun-2008 07:54:28 PM
 End Time : 03-Jun-2008 09:05:34 PM
 Scanning Time : ##### secs

Product Data
 Device Name : Dell Diaz Tyco front
 Serial No. : ITLB-Dell-Diaz-Tyco-5345
 Type : Dipole
 Model : APL
 Frequency : 5600.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 100 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.113 W/kg
 Power Drift-Finish : 0.122 W/kg
 Power Drift (%) : 8.241
 Picture : diaz-tyco_front.bmp

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 : 02-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 46.07 F/m
 Sigma : 5.84 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-6AMP-5294





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Probe Data

Name : APREL
 Model : E-030
 Type : E-Field Triangle
 Serial No. : 018
 Last Calib. Date : 03-MAY-2008
 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

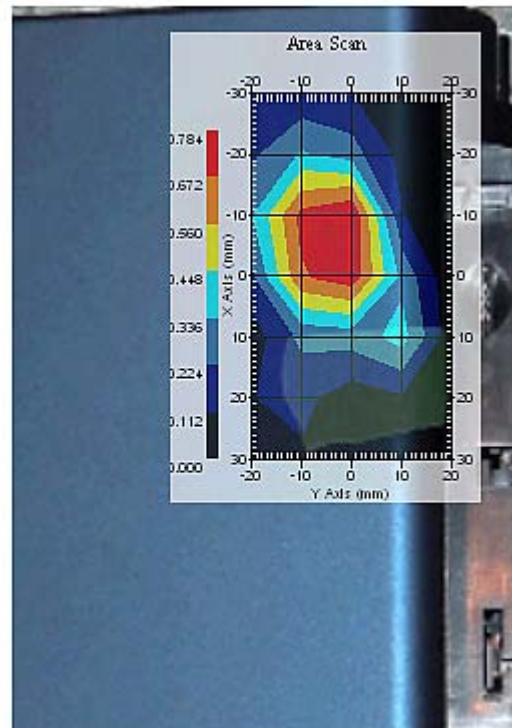
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 21.00 °C
 Ambient Temp. : 22.00 °C
 Set-up Date : 03-Jun-2008
 Set-up Time : 7:52:46 PM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High

Project number: ITLB-6AMP-5294





1 gram SAR value : 0.916 W/kg
 Zoom Scan Peak SAR : 2.692 W/kg

Project number: ITLB-6AMP-5294

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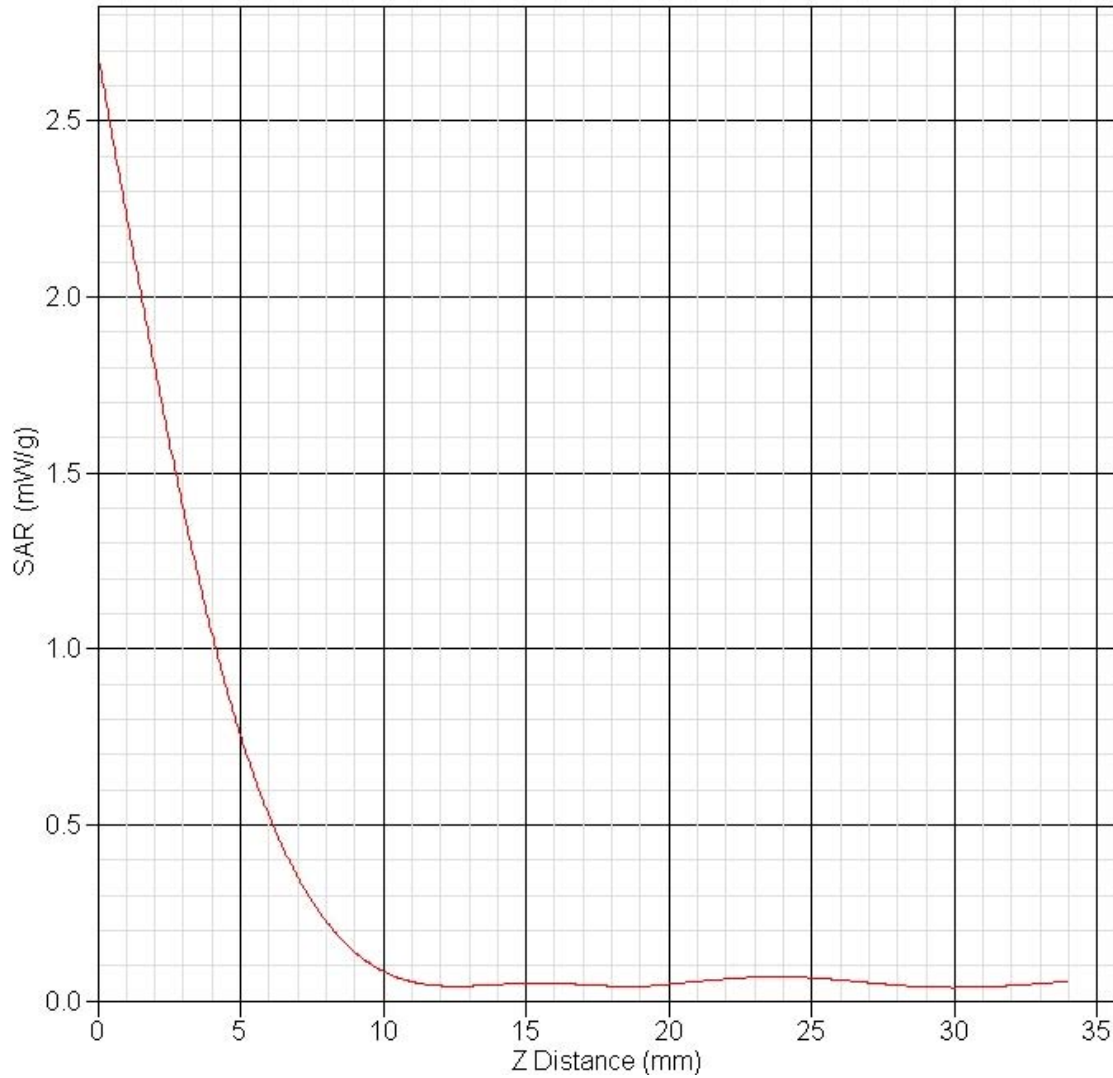
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Exposure Assessment Measurement Uncertainty

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	8.2	rectangular	•3	1	1	4.8	4.8
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.)	2.4	normal	1	0.7	0.5	1.7	1.2
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	3.4	normal	1	0.6	0.5	2.0	1.7
Combined Uncertainty		RSS				10.7	10.5
Combined Uncertainty (coverage factor=2)		Normal (k=2)				21.5	20.9

SAR-Z Axis

at Hotspot x:-1.94 y:-4.12



Project number: ITLB-6AMP-5294

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SAR Test Report

Report Date : 03-Jun-2008
 By Operator : 123
 Measurement Date : 03-Jun-2008
 Starting Time : 03-Jun-2008 08:31:22 PM
 End Time : 03-Jun-2008 09:42:36 PM
 Scanning Time : ### secs

Product Data
 Device Name : Dell Diaz Tyco front
 Serial No. : ITLB-Dell-Diaz-Tyco-5345
 Type : Dipole
 Model : APL
 Frequency : 5600.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 100 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.133 W/kg
 Power Drift-Finish : 0.140 W/kg
 Power Drift (%) : 5.459
 Picture : diaz-tyco_front.bmp

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 : 02-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 46.0 F/m
 Sigma : 5.84 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-6AMP-5294





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Probe Data

Name : APREL
 Model : E-030
 Type : E-Field Triangle
 Serial No. : 018
 Last Calib. Date : 03-MAY-2008
 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

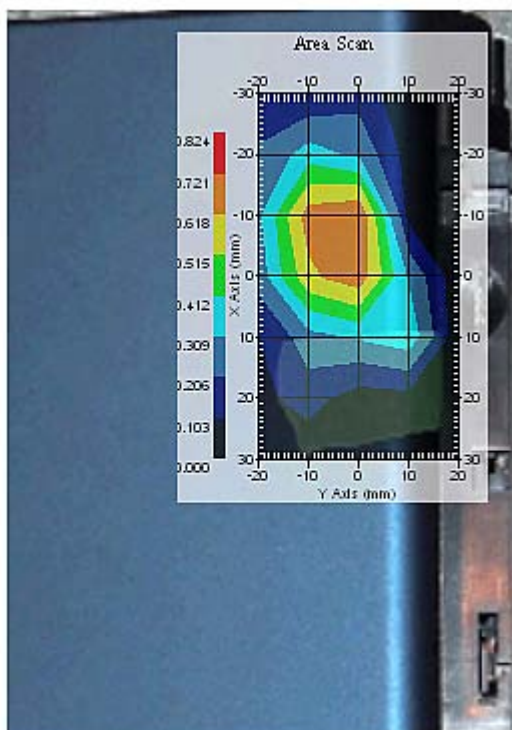
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 21.00 °C
 Ambient Temp. : 22.00 °C
 Set-up Date : 03-Jun-2008
 Set-up Time : 8:28:06 PM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High

Project number: ITLB-6AMP-5294





1 gram SAR value : 0.947 W/kg
 Zoom Scan Peak SAR : 2.842 W/kg

Project number: ITLB-6AMP-5294

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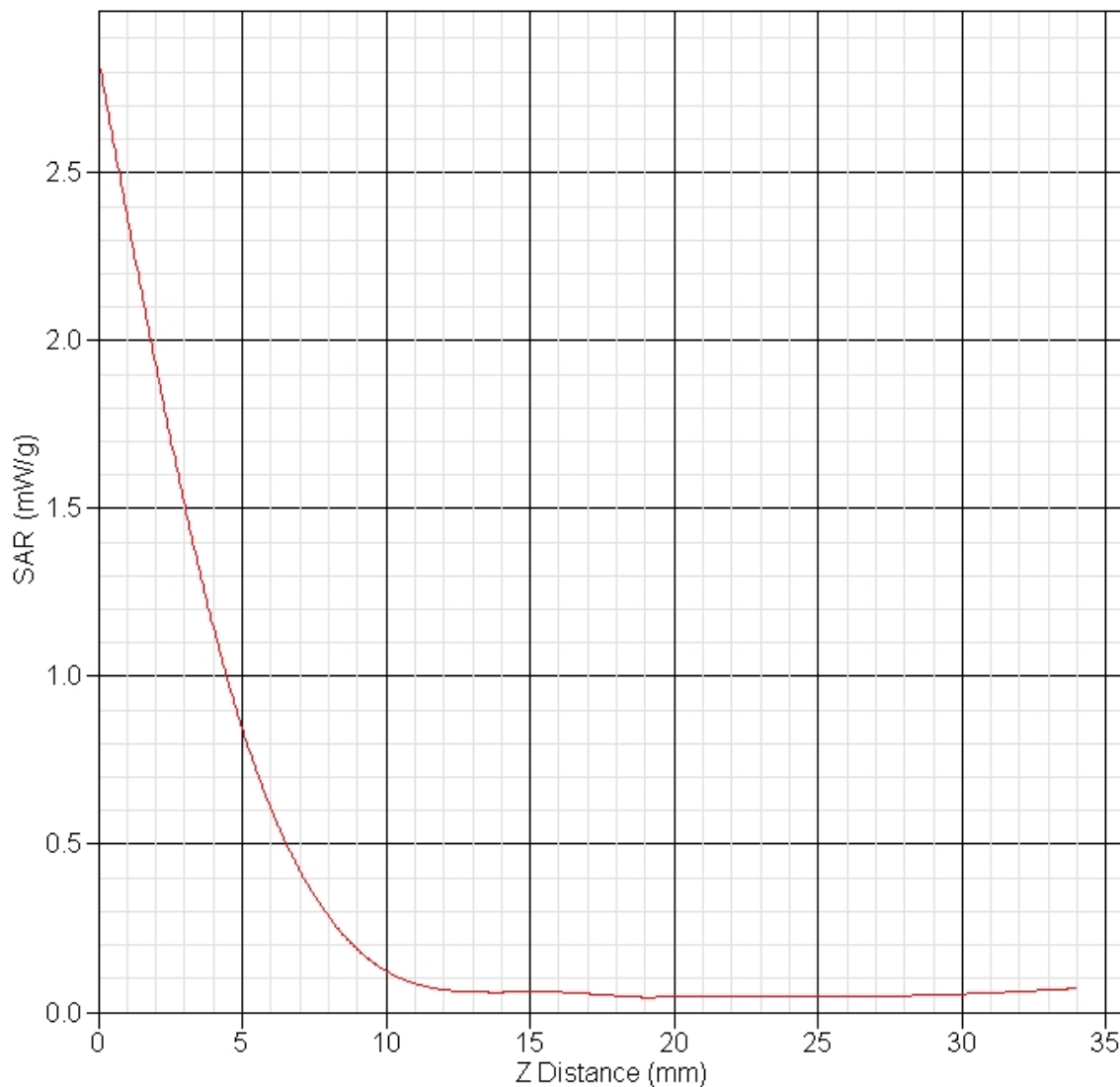
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Exposure Assessment Measurement Uncertainty

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	5.5	rectangular	•3	1	1	2.0	2.0
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.)	2.4	normal	1	0.7	0.5	1.7	1.2
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	3.4	normal	1	0.6	0.5	2.0	1.7
Combined Uncertainty		RSS				10.7	10.4
Combined Uncertainty (coverage factor=2)		Normal (k=2)				21.2	20.8

SAR-Z Axis

at Hotspot x:-9.95 y:-4.12



Project number: ITLB-6AMP-5294

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SAR Test Report

Report Date : 03-Jun-2008
 By Operator : 123
 Measurement Date : 03-Jun-2008
 Starting Time : 03-Jun-2008 11:08:31 PM
 End Time : 04-Jun-2008 12:19:45 AM
 Scanning Time : ##### secs

Product Data
 Device Name : Dell Diaz Tyco front
 Serial No. : ITLB-Dell-Diaz-Tyco-5345
 Type : Dipole
 Model : APL
 Frequency : 5600.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 100 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.091 W/kg
 Power Drift-Finish : 0.094 W/kg
 Power Drift (%) : 2.923
 Picture : diaz-tyco_front.bmp

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 : 02-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 46.0 F/m
 Sigma : 5.84 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-6AMP-5294





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Probe Data

Name : APREL
 Model : E-030
 Type : E-Field Triangle
 Serial No. : 018
 Last Calib. Date : 03-MAY-2008
 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

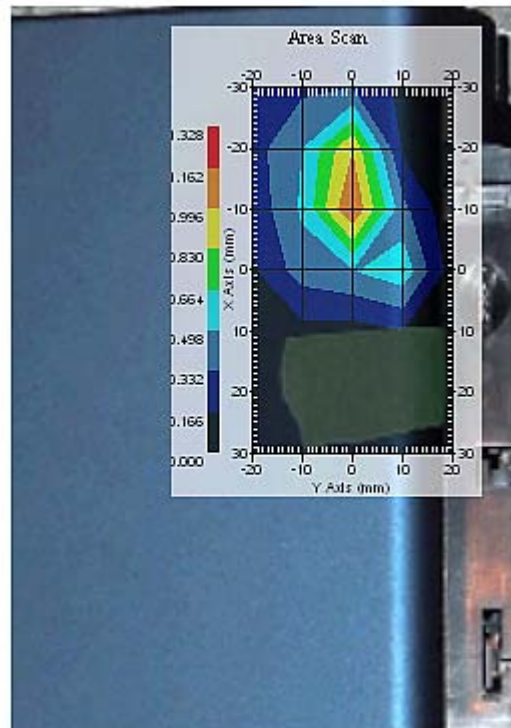
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 21.00 °C
 Ambient Temp. : 22.00 °C
 Set-up Date : 03-Jun-2008
 Set-up Time : 9:04:59 PM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High

Project number: ITLB-6AMP-5294





1 gram SAR value : 1.088 W/kg
 Zoom Scan Peak SAR : 3.082 W/kg

Project number: ITLB-6AMP-5294

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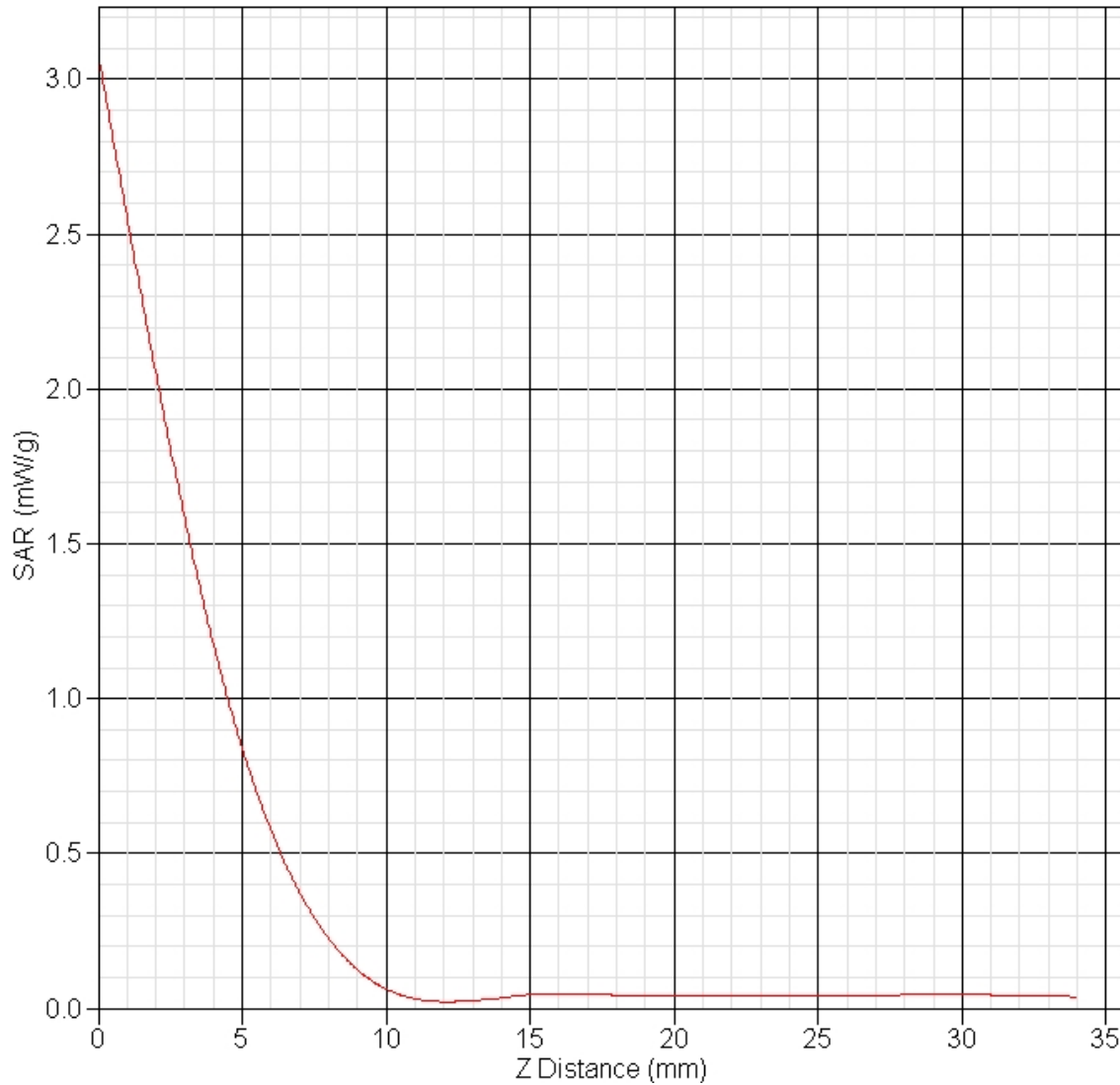
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Exposure Assessment Measurement Uncertainty

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	2.9	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.)	2.4	normal	1	0.7	0.5	1.7	1.2
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	3.4	normal	1	0.6	0.5	2.0	1.7
Combined Uncertainty		RSS				9.7	9.5
Combined Uncertainty (coverage factor=2)		Normal (k=2)				19.5	18.9

SAR-Z Axis

at Hotspot x:-13.94 y:-0.12



Project number: ITLB-6AMP-5294

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SAR Test Report

Report Date : 04-Jun-2008
 By Operator : 123
 Measurement Date : 04-Jun-2008
 Starting Time : 04-Jun-2008 01:57:38 AM
 End Time : 04-Jun-2008 02:10:51 AM
 Scanning Time : ##### secs

Product Data
 Device Name : Dell Diaz Tyco front
 Serial No. : ITLB-Dell-Diaz-Tyco-5345
 Type : Dipole
 Model : APL
 Frequency : 5800.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 100 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.119 W/kg
 Power Drift-Finish : 0.113 W/kg
 Power Drift (%) : -3.108
 Picture : diaz-tyco_front.bmp

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 : 02-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 45.61 F/m
 Sigma : 6.09 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-030
 Type : E-Field Triangle
 Serial No. : 018
 Last Calib. Date : 03-MAY-2008
 Frequency : 5800.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 3.9
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
 Compression Point: 95.00 mV
 Offset : 0.44 mm

Measurement Data

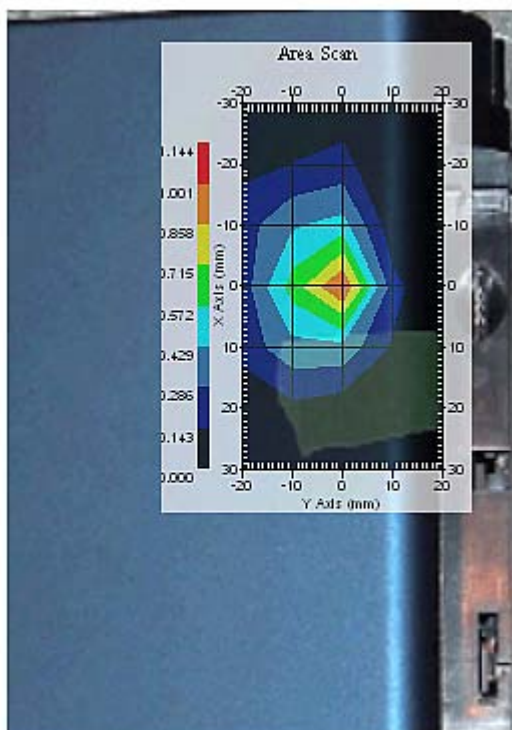
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 21.00 °C
 Ambient Temp. : 22.00 °C
 Set-up Date : 04-Jun-2008
 Set-up Time : 9:54:51 AM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid

Project number: ITLB-6AMP-5294



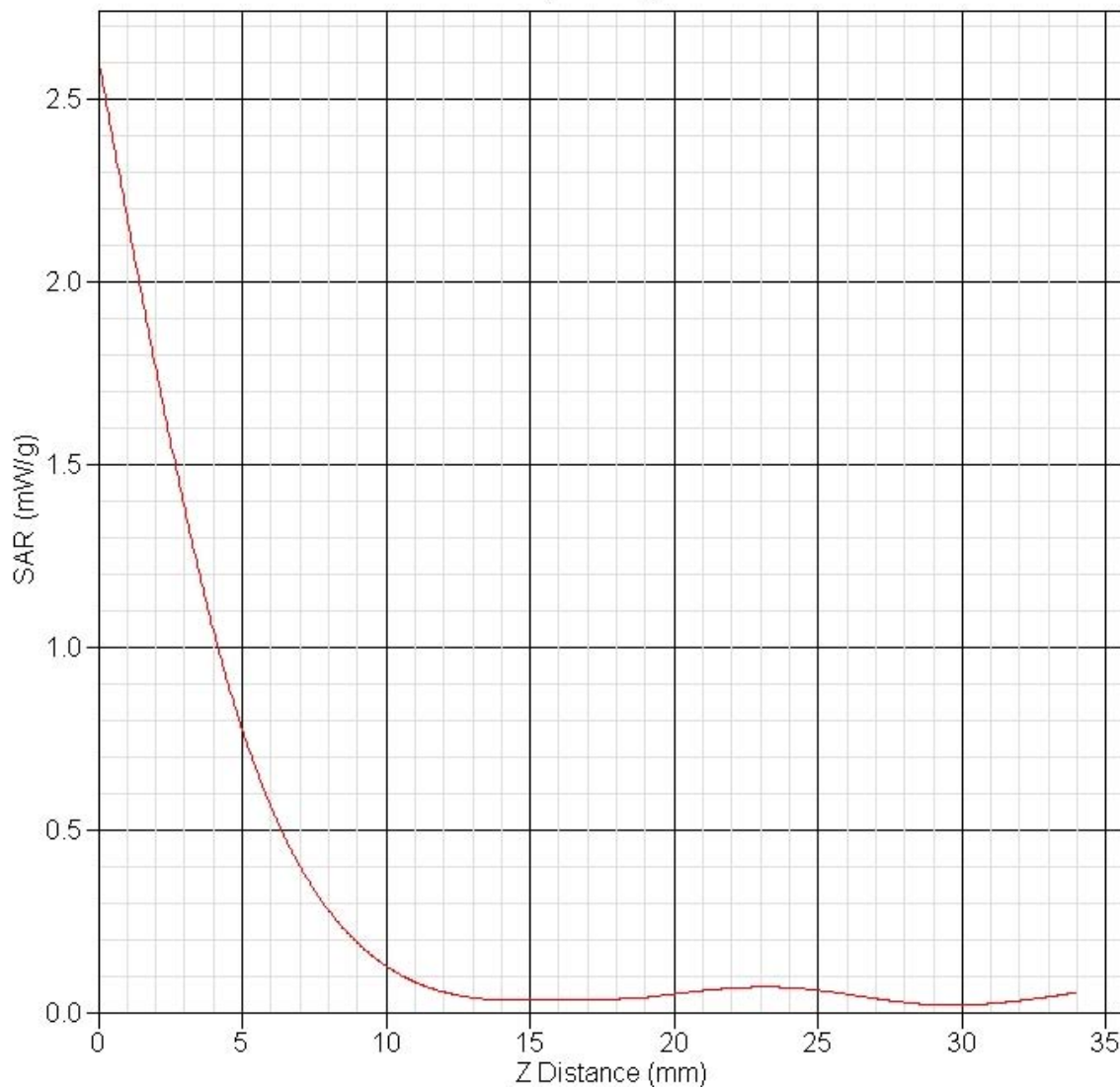


1 gram SAR value : 1.009 W/kg
 Zoom Scan Peak SAR : 2.612 W/kg

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	3.1	rectangular	•3	1	1	2.0	2.0
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.)	2.4	normal	1	0.7	0.5	1.7	1.2
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	3.4	normal	1	0.6	0.5	2.0	1.7
Combined Uncertainty		RSS				10.6	10.4
Combined Uncertainty (coverage factor=2)		Normal (k=2)				21.2	20.8

SAR-Z Axis at Hotspot x:0.01 y:-4.13



Project number: ITLB-6AMP-5294

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SAR Test Report

Report Date : 04-Jun-2008
 By Operator : 123
 Measurement Date : 04-Jun-2008
 Starting Time : 04-Jun-2008 03:20:06 AM
 End Time : 04-Jun-2008 04:13:25 AM
 Scanning Time : ##### secs

Product Data
 Device Name : Dell Diaz Tyco front
 Serial No. : ITLB-Dell-Diaz-Tyco-5345
 Type : Dipole
 Model : APL
 Frequency : 5800.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 100 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.128 W/kg
 Power Drift-Finish : 0.128 W/kg
 Power Drift (%) : 0.113
 Picture : diaz-tyco_front.bmp

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 : 02-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 45.61 F/m
 Sigma : 6.09 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-6AMP-5294





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Probe Data

Name : APREL
 Model : E-030
 Type : E-Field Triangle
 Serial No. : 018
 Last Calib. Date : 03-MAY-2008
 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 : 0.44 mm

Measurement Data

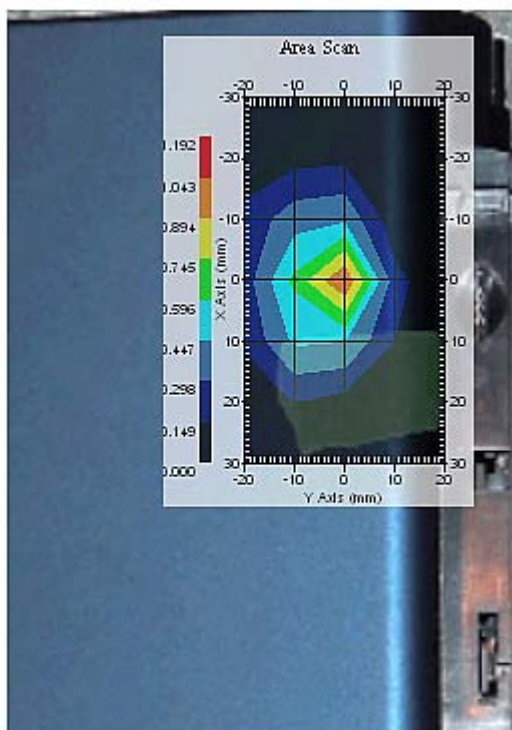
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 21.00 °C
 Ambient Temp. : 22.00 °C
 Set-up Date : 04-Jun-2008
 Set-up Time : 11:19:26 AM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid

Project number: ITLB-6AMP-5294





1 gram SAR value : 0.988 W/kg
 Zoom Scan Peak SAR : 2.652 W/kg

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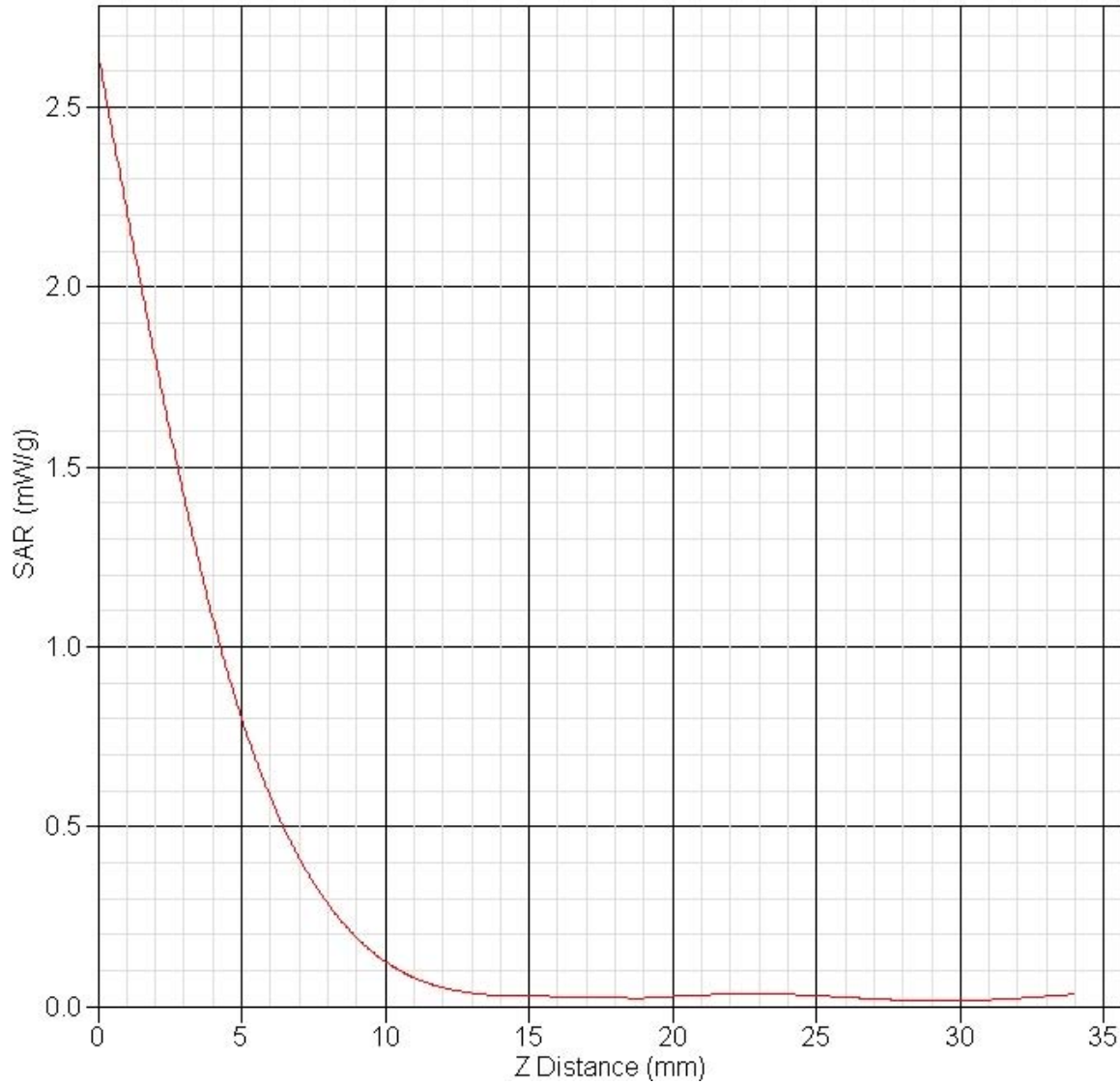
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Exposure Assessment Measurement Uncertainty

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.)	2.4	normal	1	0.7	0.5	1.7	1.2
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	3.4	normal	1	0.6	0.5	2.0	1.7
Combined Uncertainty		RSS				9.6	9.4
Combined Uncertainty (coverage factor=2)		Normal (k=2)				19.2	18.8

SAR-Z Axis

at Hotspot x:0.27 y:-4.10





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SAR Test Report

Report Date : 04-Jun-2008
 By Operator : 123
 Measurement Date : 04-Jun-2008
 Starting Time : 04-Jun-2008 12:36:53 PM
 End Time : 04-Jun-2008 01:49:56 PM
 Scanning Time : ##### secs

Product Data
 Device Name : Dell Diaz Tyco front
 Serial No. : ITLB-Dell-Diaz-Tyco-5345
 Type : Dipole
 Model : APL
 Frequency : 5800.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 140 mm
 Width : 100 mm
 Depth : 25 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.161 W/kg
 Power Drift-Finish : 0.159 W/kg
 Power Drift (%) : -1.186
 Picture : diaz-tyco_front.bmp

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 : 02-Jun-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 45.61 F/m
 Sigma : 6.09 S/m
 Density : 1000.00 kg/cu. m

Project number: ITLB-6AMP-5294





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Probe Data

Name : APREL
 Model : E-030
 Type : E-Field Triangle
 Serial No. : 018
 Last Calib. Date : 03-MAY-2008
 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 : 0.44 mm

Measurement Data

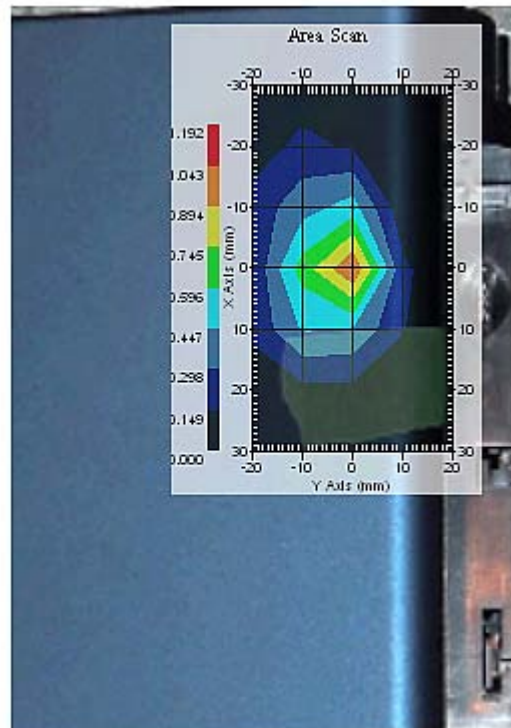
Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 21.00 °C
 Ambient Temp. : 22.00 °C
 Set-up Date : 04-Jun-2008
 Set-up Time : 12:33:33 PM
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=5mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid

Project number: ITLB-6AMP-5294





1 gram SAR value : 1.017 W/kg
 Zoom Scan Peak SAR : 2.842 W/kg

Project number: ITLB-6AMP-5294

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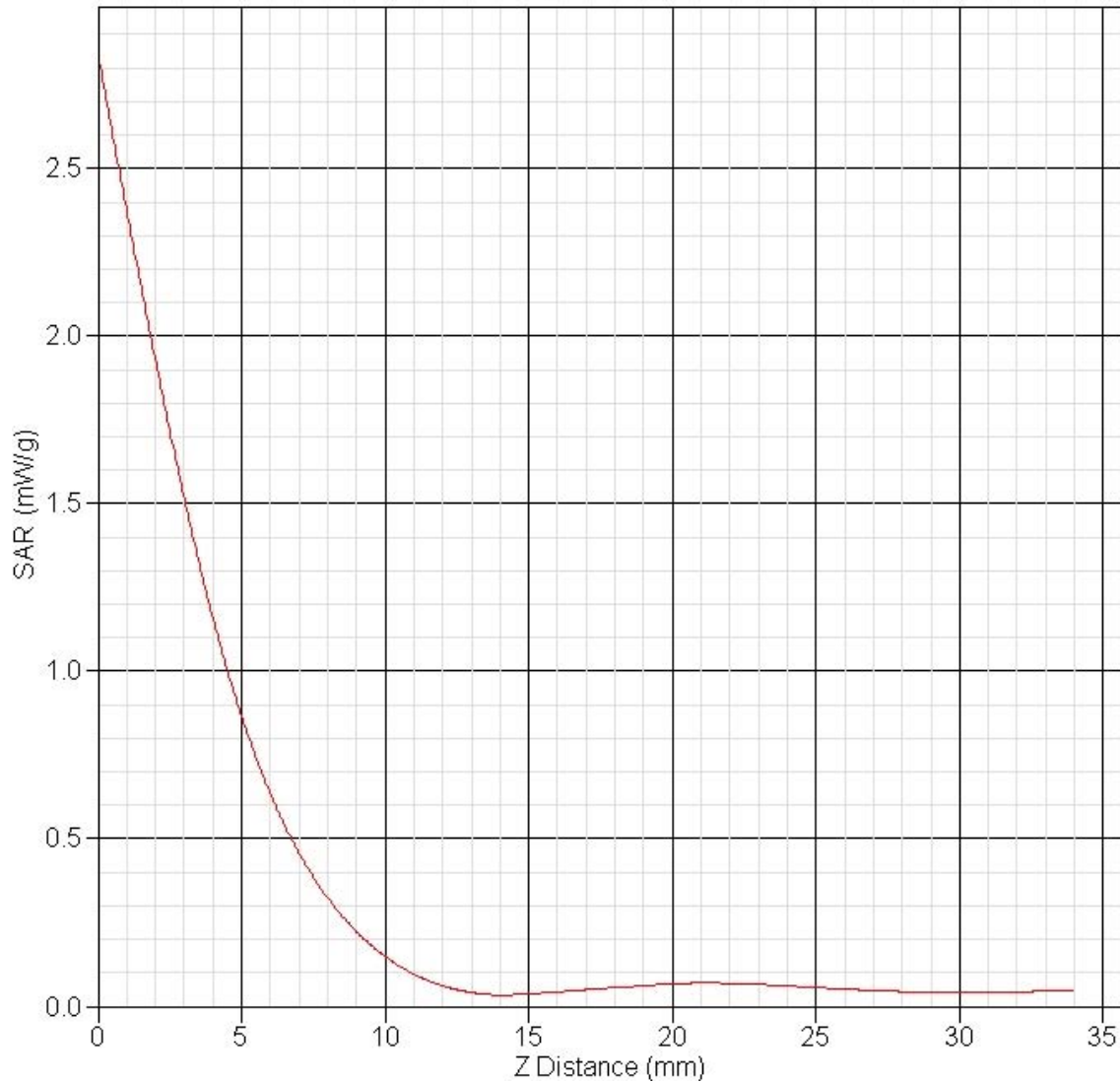
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Exposure Assessment Measurement Uncertainty

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	1.2	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.)	2.4	normal	1	0.7	0.5	1.7	1.2
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	3.4	normal	1	0.6	0.5	2.0	1.7
Combined Uncertainty		RSS				10.0	9.9
Combined Uncertainty (coverage factor=2)		Normal (k=2)				20.0	19.8

SAR-Z Axis at Hotspot x:0.05 y:-4.12



Project number: ITLB-6AMP-5294

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