

1 gram SAR value : 0.987 W/kg
Zoom Scan Peak SAR : 2.241 W/kg

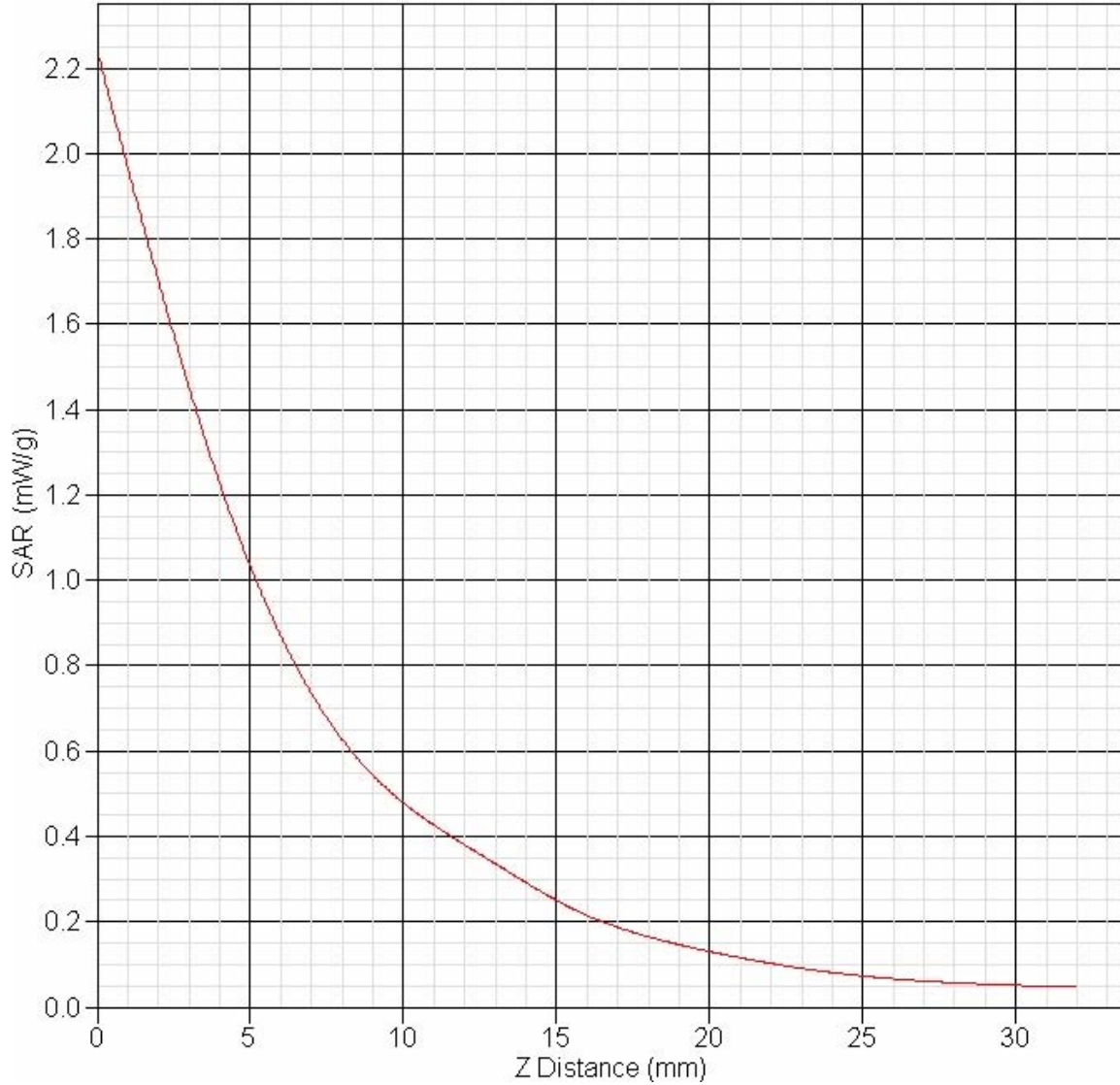


Exposure Assessment Measurement Uncertainty

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	1.3	rectangular	•3	1	1	0.7	0.7
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.)	0.5	normal	1	0.7	0.5	0.4	0.3
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				9.0	8.9
Combined Uncertainty (coverage factor=2)		Normal (k=2)				18.0	17.8



SAR-Z Axis at Hotspot x:10.05 y:9.90



SAR Test Report

Report Date : 27-Jun-2007
 By Operator : 123
 Measurement Date : 27-Jun-2007
 Starting Time : 27-Jun-2007 04:06:40 PM
 End Time : 27-Jun-2007 04:25:14 PM
 Scanning Time : 1114 secs

Product Data
 Device Name : Dell-Siberia
 Serial No. : PS060387
 Type : Other
 Model : X00-00
 Frequency : 2412.00 MHz
 Max. Transmit Pwr : 0.05 W
 Drift Time : 0 min(s)
 Length : 180 mm
 Width : 55 mm
 Depth : 0 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.191 W/kg
 Power Drift-Finish: 0.187 W/kg
 Power Drift (%) : -2.128
 Picture : C:\alsas\bitmap\Device-7.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. : 2450_B
 Frequency : 2450.00 MHz
 Last Calib. Date : 27-Jun-2007
 Temperature : 22.00 °C
 Ambient Temp. : 25.00 °C
 Humidity : 40.00 RH%
 Epsilon : 51.44 F/m
 Sigma : 1.96 S/m
 Density : 1000.00 kg/cu. m

Probe Data

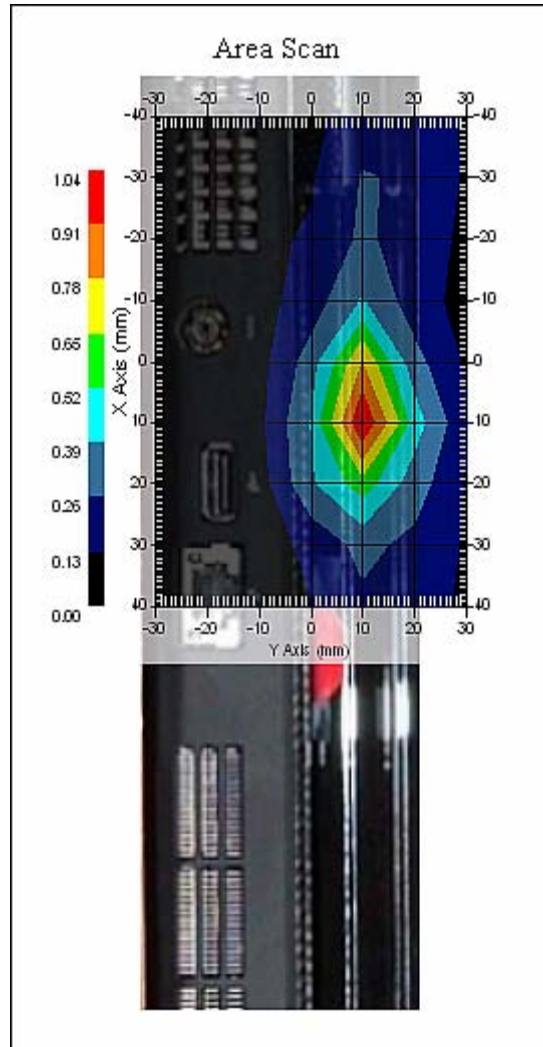
Name : APREL
 Model : E-020
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 03-May-2007
 Frequency : 2450.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 4.4
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
 Compression Point: 95.00 mV
 Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 22.00 °C
 Ambient Temp. : 25.00 °C
 Set-up Date : 27-Jun-2007
 Set-up Time : 4:28:40 PM
 Area Scan : 9x7x1 : 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 : 0.815 W/kg
Zoom Scan Peak SAR : 1.891 W/kg



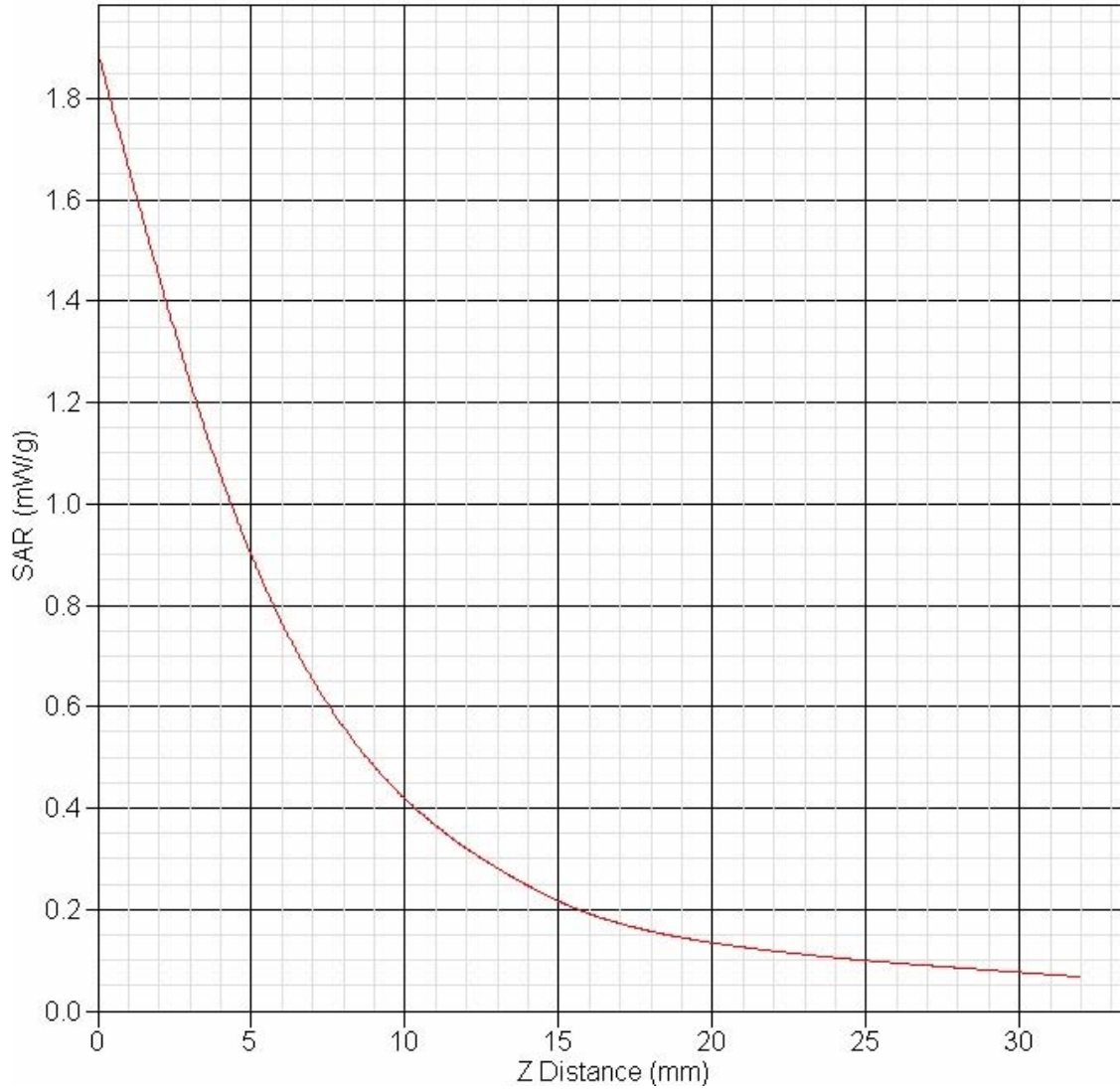
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Exposure Assessment Measurement Uncertainty

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	2.1	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.)	0.5	normal	1	0.7	0.5	0.4	0.3
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				9.4	9.2
Combined Uncertainty (coverage factor=2)		Normal (k=2)				18.8	18.5



SAR-Z Axis at Hotspot x:20.04 y:9.82



SAR Test Report

Report Date : 28-Jun-2007
 By Operator : 123
 Measurement Date : 28-Jun-2007
 Starting Time : 28-Jun-2007 04:31:34 PM
 End Time : 28-Jun-2007 04:58:37 PM
 Scanning Time : 1623 secs

Product Data

Device Name : Dell-Siberia
 Serial No. : PS060387
 Type : Other
 Model : ALS-D-5200-S-2
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 180 mm
 Width : 50 mm
 Depth : 3 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.501 W/kg
 Power Drift-Finish: 0.508 W/kg
 Power Drift (%) : 1.543
 Picture : C:\alsas\bitmap\Device-8.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. : 5200-B
 Frequency : 5200.00 MHz
 Last Calib. Date : 28-Jun-2007
 Temperature : 22.00 °C
 Ambient Temp. : 25.00 °C
 Humidity : 45.00 RH%
 Epsilon : 49.09 F/m
 Sigma : 5.44 S/m
 Density : 1000.00 kg/cu. m

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: 3.5
 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

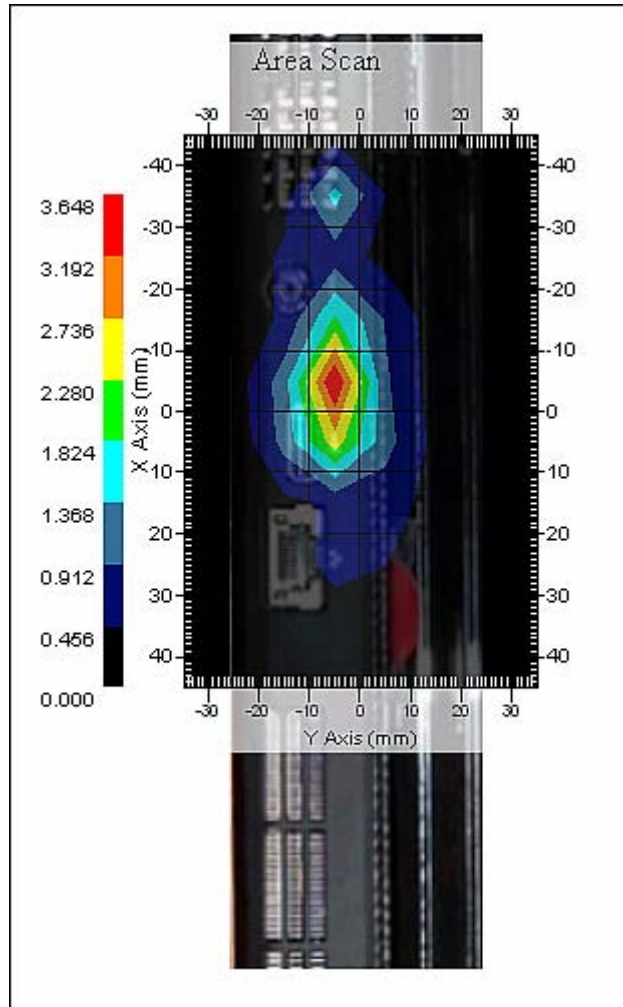
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 22.00 °C
 Ambient Temp. : 24.00 °C
 Set-up Date : 28-Jun-2007
 Set-up Time : 4:30:52 PM
 Area Scan : 10x8x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x16 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High





1 gram SAR value : 1.450 W/kg
Zoom Scan Peak SAR : 6.527 W/kg





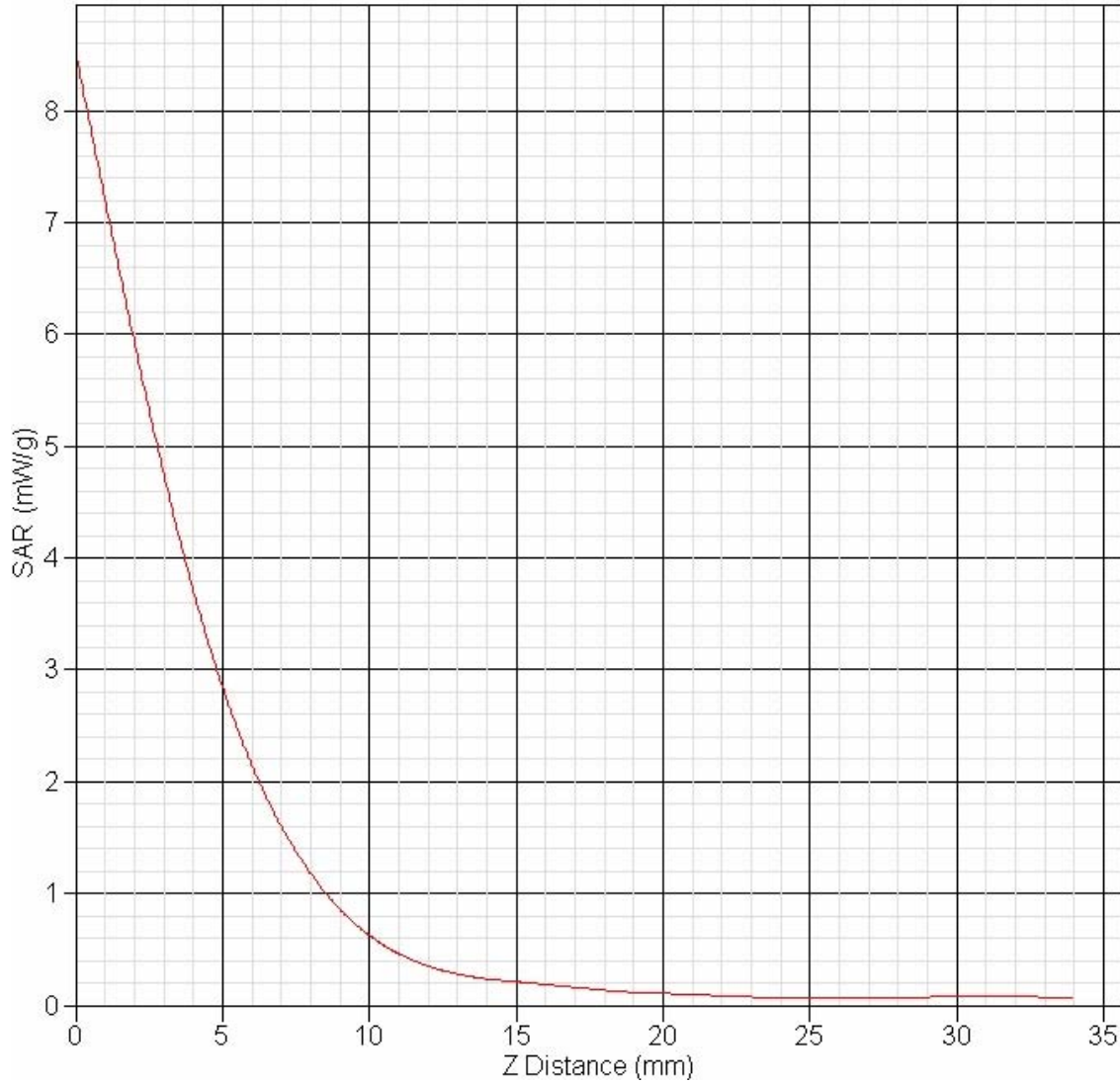
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Exposure Assessment Measurement Uncertainty

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	1.5	rectangular	•3	1	1	0.8	10.1
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.)	1.7	normal	1	0.7	0.5	1.2	0.8
Liquid Permittivity (target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity (meas.)	0.4	normal	1	0.6	0.5	0.2	0.2
Combined Uncertainty		RSS				9.1	8.95
Combined Uncertainty (coverage factor=2)		Normal (k=2)				18.2	17.9



SAR-Z Axis at Hotspot x:15.04 y:-5.15



SAR Test Report

Report Date : 04-Jul-2007
 By Operator : 123
 Measurement Date : 04-Jul-2007
 Starting Time : 04-Jul-2007 11:31:22 AM
 End Time : 04-Jul-2007 11:57:40 AM
 Scanning Time : 1578 secs

Product Data

Device Name : Dell-Siberia
 Serial No. : PS060387
 Type : Other
 Model : ALS-D-5200-S-2
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 180 mm
 Width : 50 mm
 Depth : 3 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.362 W/kg
 Power Drift-Finish: 0.376 W/kg
 Power Drift (%) : 3.797
 Picture : C:\alsas\bitmap\Device-8.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. : 5200-B
 Frequency : 5200.00 MHz
 Last Calib. Date : 04-Jul-2007
 Temperature : 22.00 °C
 Ambient Temp. : 25.00 °C
 Humidity : 45.00 RH%
 Epsilon : 49.09 F/m
 Sigma : 5.44 S/m
 Density : 1000.00 kg/cu. m

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: 3.5
 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

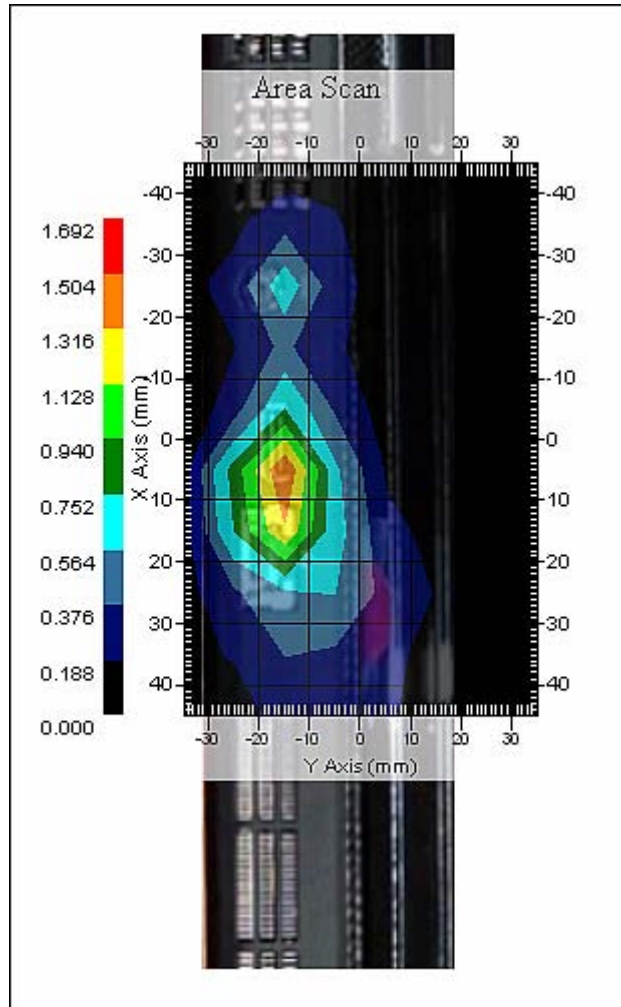
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 22.00 °C
 Ambient Temp. : 24.00 °C
 Set-up Date : 04-Jul-2007
 Set-up Time : 11:28:52 AM
 Area Scan : 10x8x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x9 : Measurement x=4mm, y=4mm, z=16mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High





1 gram SAR value : 1.500 W/kg
Zoom Scan Peak SAR : 4.123 W/kg





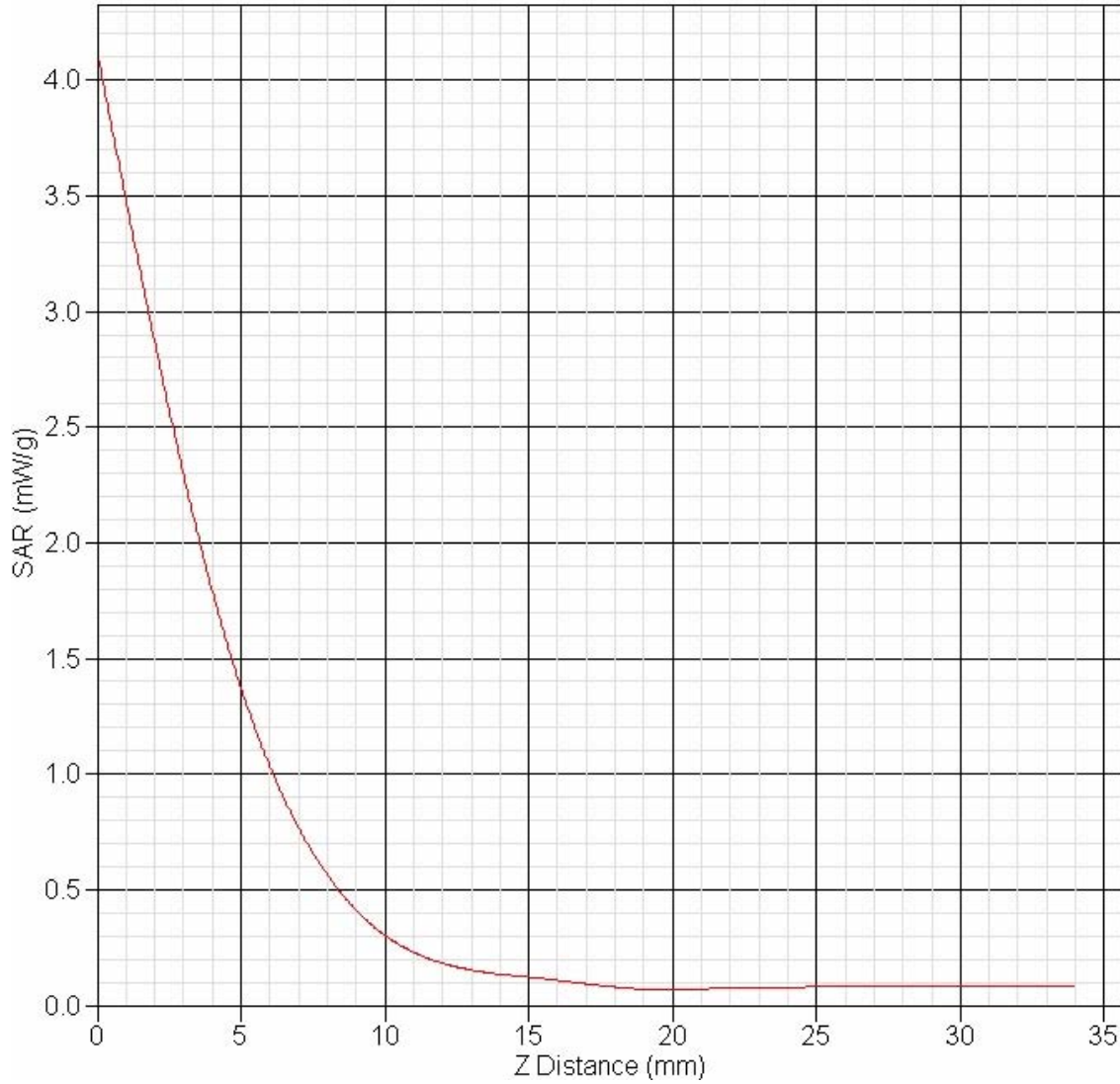
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Exposure Assessment Measurement Uncertainty

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	3.8	rectangular	•3	1	1	2.2	2.2
Phantom and Setup							
Phantom Uncertainty (shape & thickness tolerance)	3.4	rectangular	•3	1	1	2.0	2.0
Liquid Conductivity (target)	5.0	rectangular	•3	0.7	0.5	2.0	1.4
Liquid Conductivity (meas.)	1.7	normal	1	0.7	0.5	1.2	0.8
Liquid Permittivity (target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity (meas.)	0.4	normal	1	0.6	0.5	0.2	0.2
Combined Uncertainty		RSS				9.6	9.4
Combined Uncertainty (coverage factor=2)		Normal (k=2)				19.1	18.7



SAR-Z Axis at Hotspot x:25.05 y:-20.15



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Project number: ITLB-6FOX-5293

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SAR Test Report

Report Date : 29-Jun-2007
 By Operator : 123
 Measurement Date : 29-Jun-2007
 Starting Time : 29-Jun-2007 03:32:15 PM
 End Time : 29-Jun-2007 03:59:22 PM
 Scanning Time : 1627 secs

Product Data
 Device Name : Dell-Siberia
 Serial No. : PS060387
 Type : Other
 Model : ALS-D-5200-S-2
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 180 mm
 Width : 50 mm
 Depth : 3 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.456 W/kg
 Power Drift-Finish: 0.457 W/kg
 Power Drift (%) : 0.309
 Picture : C:\alsas\bitmap\Device-8.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. : 5200-B
 Frequency : 5200.00 MHz
 Last Calib. Date : 29-Jun-2007
 Temperature : 22.00 °C
 Ambient Temp. : 25.00 °C
 Humidity : 45.00 RH%
 Epsilon : 49.09 F/m
 Sigma : 5.44 S/m
 Density : 1000.00 kg/cu. m

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: 3.5
 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

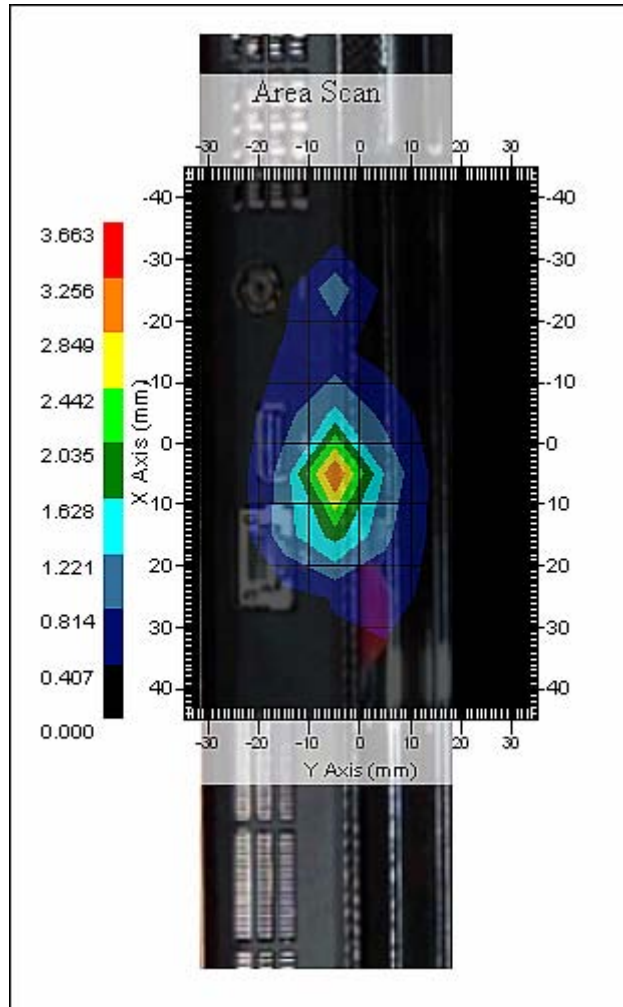
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 22.00 °C
 Ambient Temp. : 24.00 °C
 Set-up Date : 29-Jun-2007
 Set-up Time : 3:29:25 PM
 Area Scan : 10x8x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x16 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High





1 gram SAR value : 1.180 W/kg
Zoom Scan Peak SAR : 5.165 W/kg





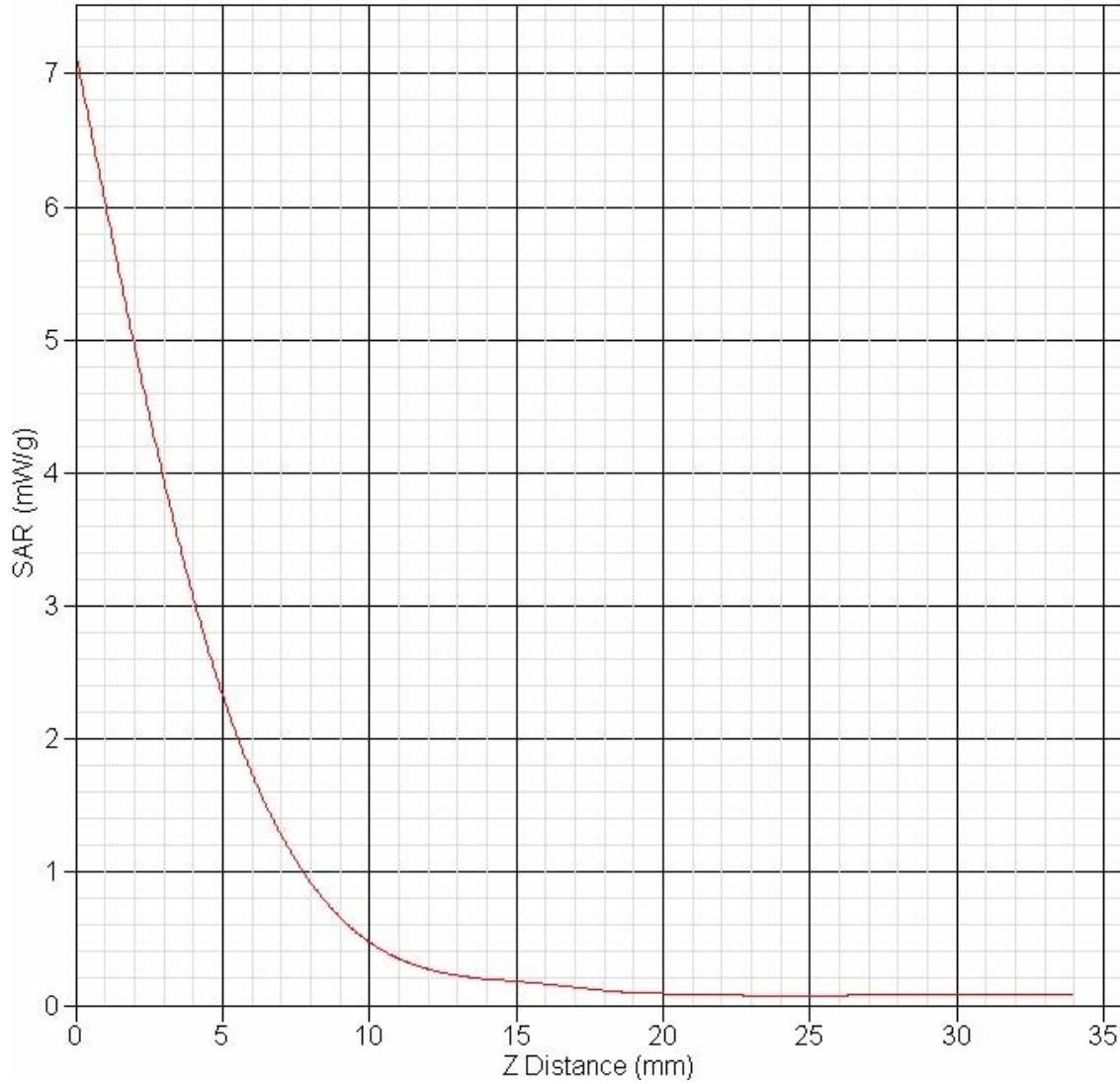
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Exposure Assessment Measurement Uncertainty

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	0.3	rectangular	•3	1	1	0.2	0.2
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.)	1.7	normal	1	0.7	0.5	1.2	0.8
Liquid Permittivity (target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity (meas.)	0.4	normal	1	0.6	0.5	0.2	0.2
Combined Uncertainty		RSS				9.3	9.1
Combined Uncertainty (coverage factor=2)		Normal (k=2)				18.6	18.2



SAR-Z Axis at Hotspot x:20.05 y:-5.10



SAR Test Report

Report Date : 03-Jul-2007
 By Operator : 123
 Measurement Date : 03-Jul-2007
 Starting Time : 03-Jul-2007 11:16:04 AM
 End Time : 03-Jul-2007 11:42:17 AM
 Scanning Time : 1573 secs

Product Data
 Device Name : Dell-Siberia
 Serial No. : PS060387
 Type : Other
 Model : ALS-D-5200-S-2
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 180 mm
 Width : 50 mm
 Depth : 3 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.229 W/kg
 Power Drift-Finish: 0.207 W/kg
 Power Drift (%) : -9.539
 Picture : C:\alsas\bitmap\Device-8.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. : 5200-B
 Frequency : 5200.00 MHz
 Last Calib. Date : 03-Jul-2007
 Temperature : 22.00 °C
 Ambient Temp. : 25.00 °C
 Humidity : 45.00 RH%
 Epsilon : 49.09 F/m
 Sigma : 5.44 S/m
 Density : 1000.00 kg/cu. m

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: 3.5
 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

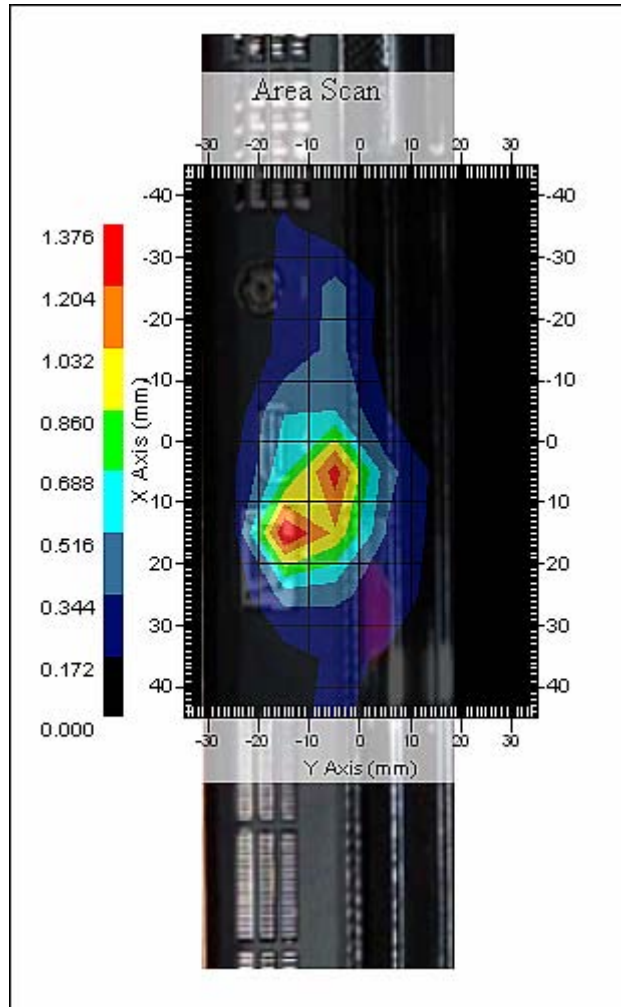
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 22.00 °C
 Ambient Temp. : 24.00 °C
 Set-up Date : 03-Jul-2007
 Set-up Time : 11:15:41 AM
 Area Scan : 10x8x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x16 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid





1 gram SAR value : 0.889 W/kg
Zoom Scan Peak SAR : 1.723 W/kg





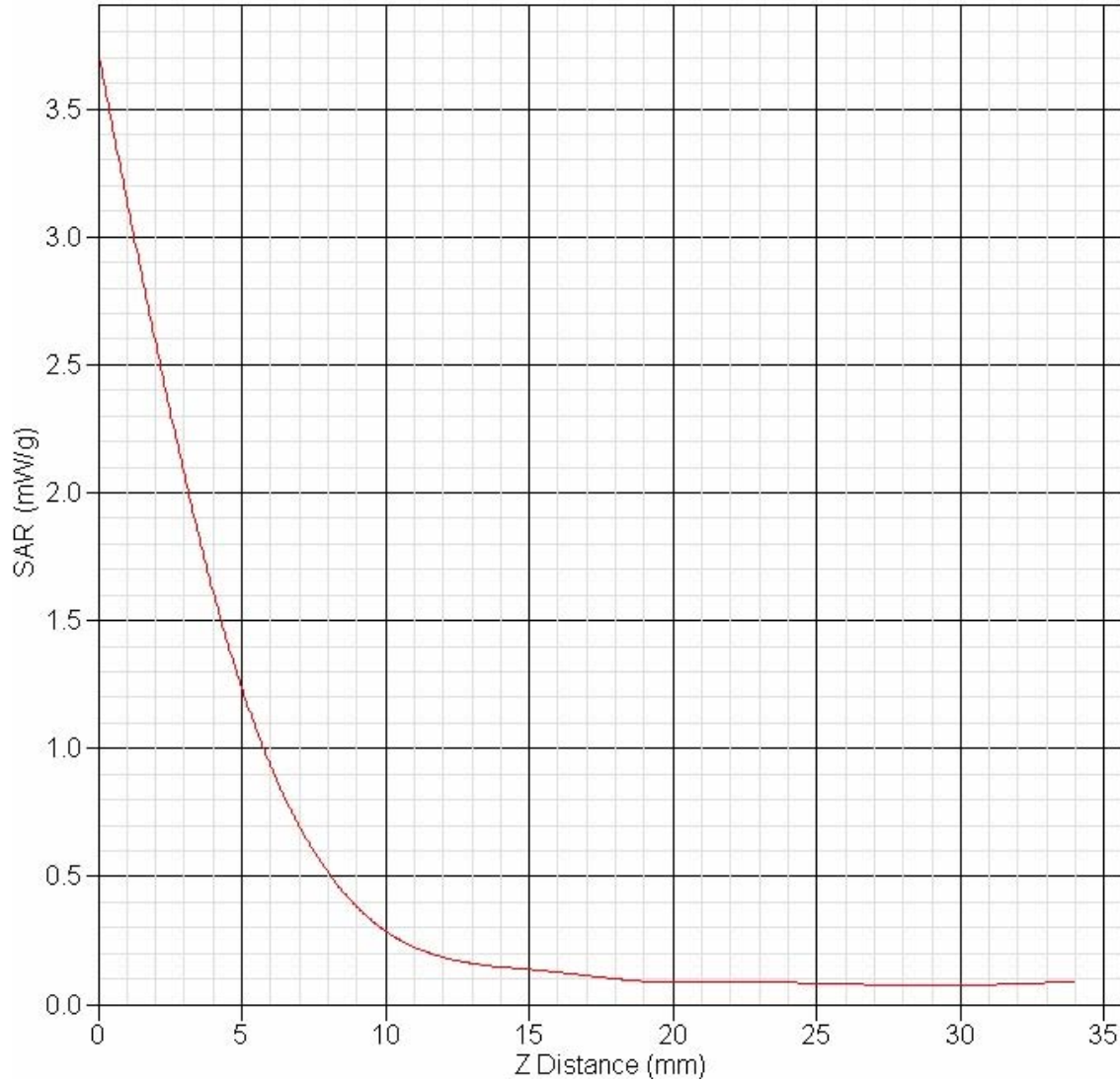
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Exposure Assessment Measurement Uncertainty

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	9.5	rectangular	•3	1	1	5.5	5.5
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.)	1.7	normal	1	0.7	0.5	1.2	0.8
Liquid Permittivity (target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity (meas.)	0.4	normal	1	0.6	0.5	0.2	0.2
Combined Uncertainty		RSS				10.8	10.6
Combined Uncertainty (coverage factor=2)		Normal (k=2)				21.6	21.3



SAR-Z Axis at Hotspot x:25.04 y:-10.09



Project number: ITLB-6FOX-5293

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Ottawa ON Canada K2R 1E6
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SAR Test Report

Report Date : 04-Jul-2007
 By Operator : 123
 Measurement Date : 04-Jul-2007
 Starting Time : 04-Jul-2007 10:55:41 AM
 End Time : 04-Jul-2007 11:22:08 AM
 Scanning Time : 1587 secs

Product Data
 Device Name : Dell-Siberia
 Serial No. : PS060387
 Type : Other
 Model : ALS-D-5200-S-2
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 180 mm
 Width : 50 mm
 Depth : 3 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.899 W/kg
 Power Drift-Finish: 0.840 W/kg
 Power Drift (%) : -6.899
 Picture : C:\alsas\bitmap\Device-8.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. : 5200-B
 Frequency : 5200.00 MHz
 Last Calib. Date : 04-Jul-2007
 Temperature : 22.00 °C
 Ambient Temp. : 25.00 °C
 Humidity : 45.00 RH%
 Epsilon : 49.09 F/m
 Sigma : 5.44 S/m
 Density : 1000.00 kg/cu. m

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: 3.5
 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

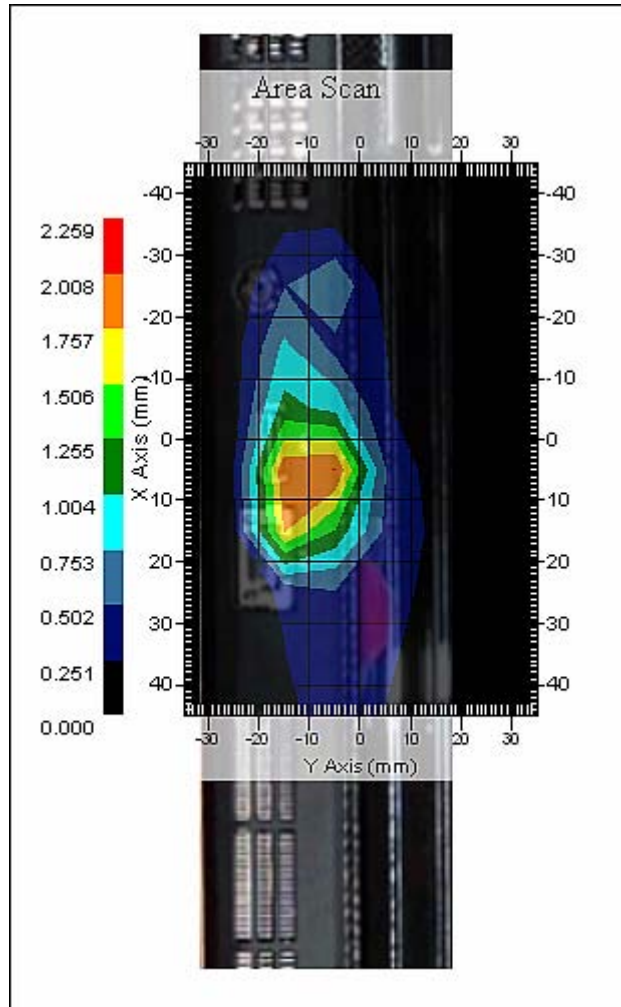
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 22.00 °C
 Ambient Temp. : 24.00 °C
 Set-up Date : 04-Jul-2007
 Set-up Time : 10:50:56 AM
 Area Scan : 10x8x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x16 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High





1 gram SAR value : 1.000 W/kg
 Zoom Scan Peak SAR : 4.064 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	6.9	rectangular	•3	1	1	3.9	9.8
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.)	1.7	normal	1	0.7	0.5	1.2	0.8
Liquid Permittivity (target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity (meas.)	0.4	normal	1	0.6	0.5	0.2	0.2
Combined Uncertainty		RSS				10.5	10.0
Combined Uncertainty (coverage factor=2)		Normal (k=2)				21.0	20.1



SAR Test Report

Report Date : 04-Jul-2007
 By Operator : 123
 Measurement Date : 04-Jul-2007
 Starting Time : 04-Jul-2007 04:15:20 PM
 End Time : 04-Jul-2007 04:41:36 PM
 Scanning Time : 1576 secs

Product Data

Device Name : Dell-Siberia
 Serial No. : PS060387
 Type : Other
 Model : ALS-D-5200-S-2
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 180 mm
 Width : 50 mm
 Depth : 3 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.449 W/kg
 Power Drift-Finish: 0.428 W/kg
 Power Drift (%) : -4.65
 Picture : C:\alsas\bitmap\Device-8.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. : 5800-B
 Frequency : 5800.00 MHz
 Last Calib. Date : 04-Jul-2007
 Temperature : 22.00 °C
 Ambient Temp. : 23.00 °C
 Humidity : 50.00 RH%
 Epsilon : 46.40 F/m
 Sigma : 6.15 S/m
 Density : 1000.00 kg/cu. m

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: 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

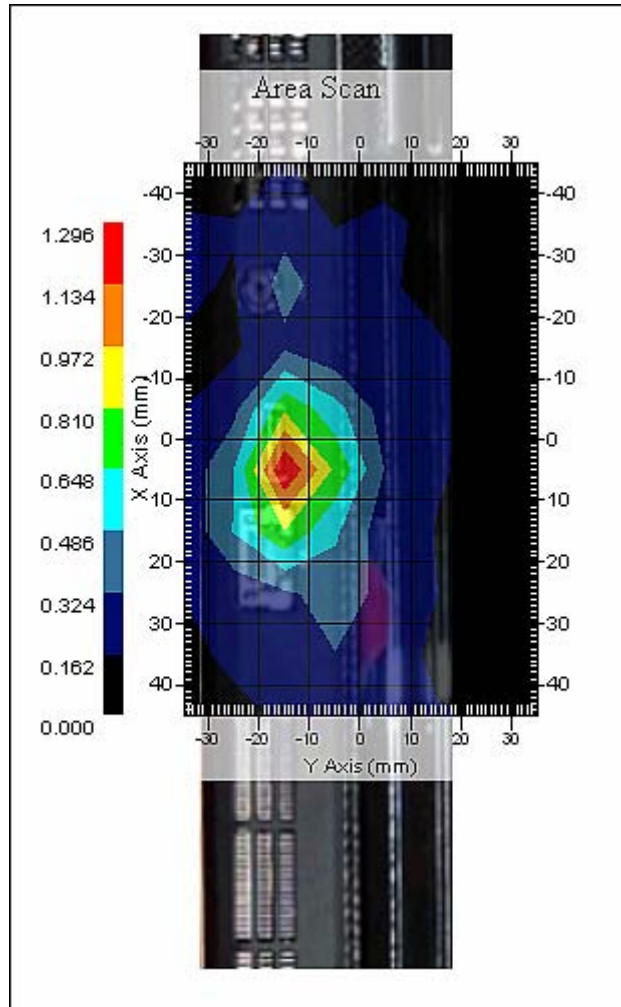
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 22.00 °C
 Ambient Temp. : 24.00 °C
 Set-up Date : 04-Jul-2007
 Set-up Time : 4:11:59 PM
 Area Scan : 10x8x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x16 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





1 gram SAR value : 1.208 W/kg
Zoom Scan Peak SAR : 3.052 W/kg





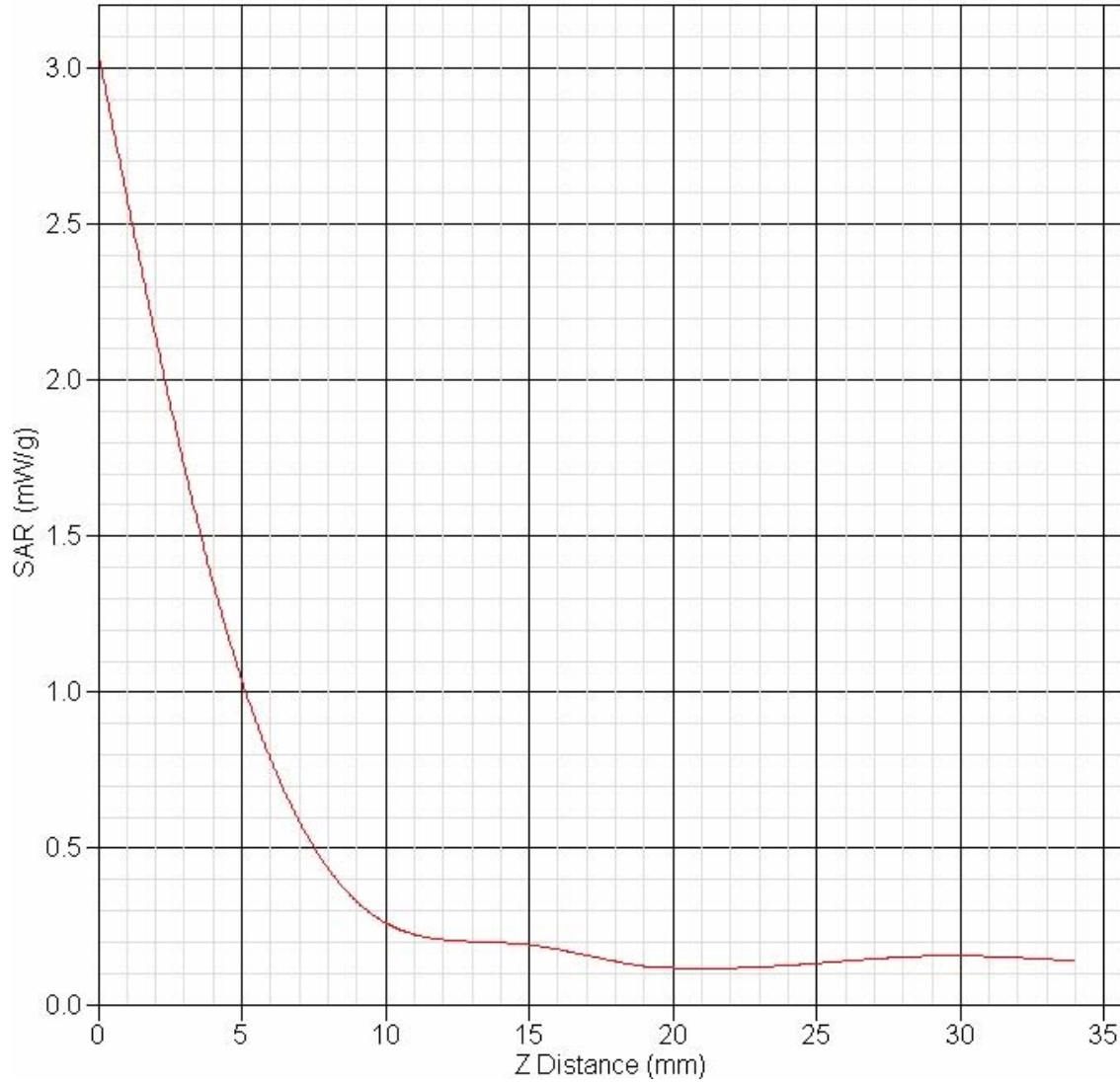
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Exposure Assessment Measurement Uncertainty

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	4.6	rectangular	•3	1	1	2.6	2.6
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.)	2.5	normal	1	0.7	0.5	1.8	1.3
Liquid Permittivity (target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity (meas.)	3.7	normal	1	0.6	0.5	2.2	1.9
Combined Uncertainty		RSS				12.0	11.8
Combined Uncertainty (coverage factor=2)		Normal (k=2)				24.0	23.6



SAR-Z Axis at Hotspot x:20.08 y:-15.10



SAR Test Report

Report Date : 05-Jul-2007
 By Operator : 123
 Measurement Date : 05-Jul-2007
 Starting Time : 05-Jul-2007 11:16:10 AM
 End Time : 05-Jul-2007 11:42:39 AM
 Scanning Time : 1589 secs

Product Data
 Device Name : Dell-Siberia
 Serial No. : PS060387
 Type : Other
 Model : ALS-D-5200-S-2
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 180 mm
 Width : 50 mm
 Depth : 3 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.359 W/kg
 Power Drift-Finish: 0.344 W/kg
 Power Drift (%) : -4.054
 Picture : C:\alsas\bitmap\Device-8.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. : 5800-B
 Frequency : 5800.00 MHz
 Last Calib. Date : 05-Jul-2007
 Temperature : 22.00 °C
 Ambient Temp. : 23.00 °C
 Humidity : 50.00 RH%
 Epsilon : 46.40 F/m
 Sigma : 6.15 S/m
 Density : 1000.00 kg/cu. m

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: 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

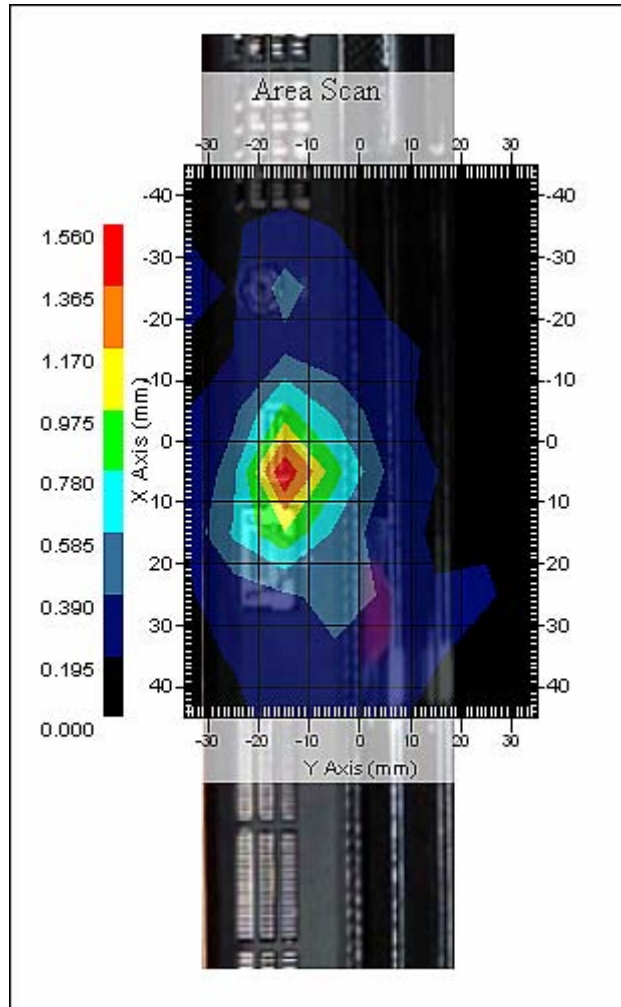
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 22.00 °C
 Ambient Temp. : 24.00 °C
 Set-up Date : 05-Jul-2007
 Set-up Time : 11:07:53 AM
 Area Scan : 10x8x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x16 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





1 gram SAR value : 1.440 W/kg
Zoom Scan Peak SAR : 3.482 W/kg





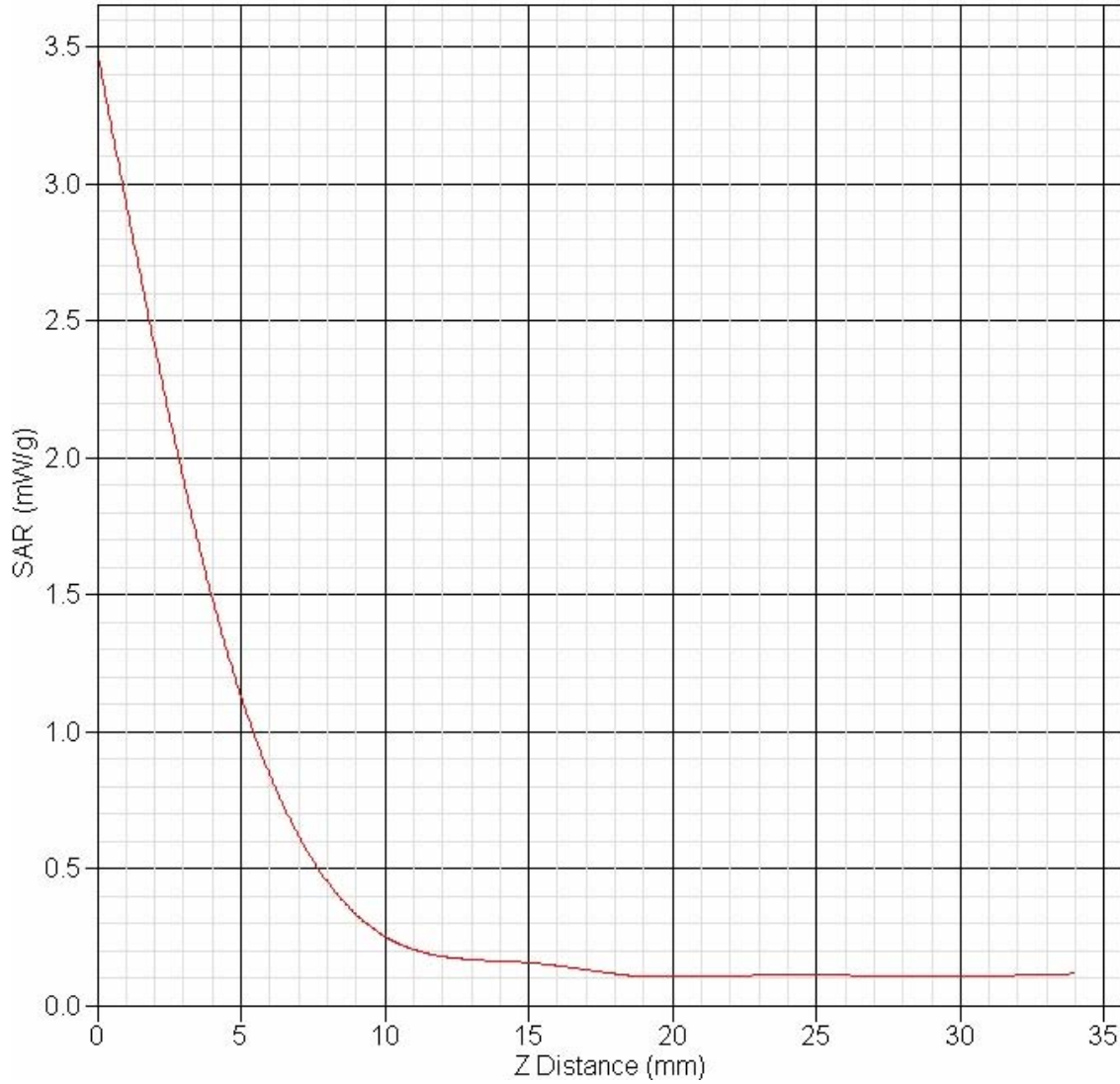
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Exposure Assessment Measurement Uncertainty

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	4.1	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.)	2.5	normal	1	0.7	0.5	1.8	1.3
Liquid Permittivity (target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity (meas.)	3.7	normal	1	0.6	0.5	2.2	1.9
Combined Uncertainty		RSS				11.45	11.25
Combined Uncertainty (coverage factor=2)		Normal (k=2)				22.9	22.5



SAR-Z Axis at Hotspot x:20.07 y:-15.10



Project number: ITLB-6FOX-5293

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SAR Test Report

Report Date : 05-Jul-2007
 By Operator : 123
 Measurement Date : 05-Jul-2007
 Starting Time : 05-Jul-2007 02:31:15 PM
 End Time : 05-Jul-2007 02:57:21 PM
 Scanning Time : 1566 secs

Product Data

Device Name : Dell-Siberia
 Serial No. : PS060387
 Type : Other
 Model : ALS-D-5200-S-2
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 180 mm
 Width : 50 mm
 Depth : 3 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.223 W/kg
 Power Drift-Finish: 0.211 W/kg
 Power Drift (%) : -4.711
 Picture : C:\alsas\bitmap\Device-8.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. : 5800-B
 Frequency : 5800.00 MHz
 Last Calib. Date : 05-Jul-2007
 Temperature : 22.00 °C
 Ambient Temp. : 23.00 °C
 Humidity : 50.00 RH%
 Epsilon : 46.40 F/m
 Sigma : 6.15 S/m
 Density : 1000.00 kg/cu. m

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: 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

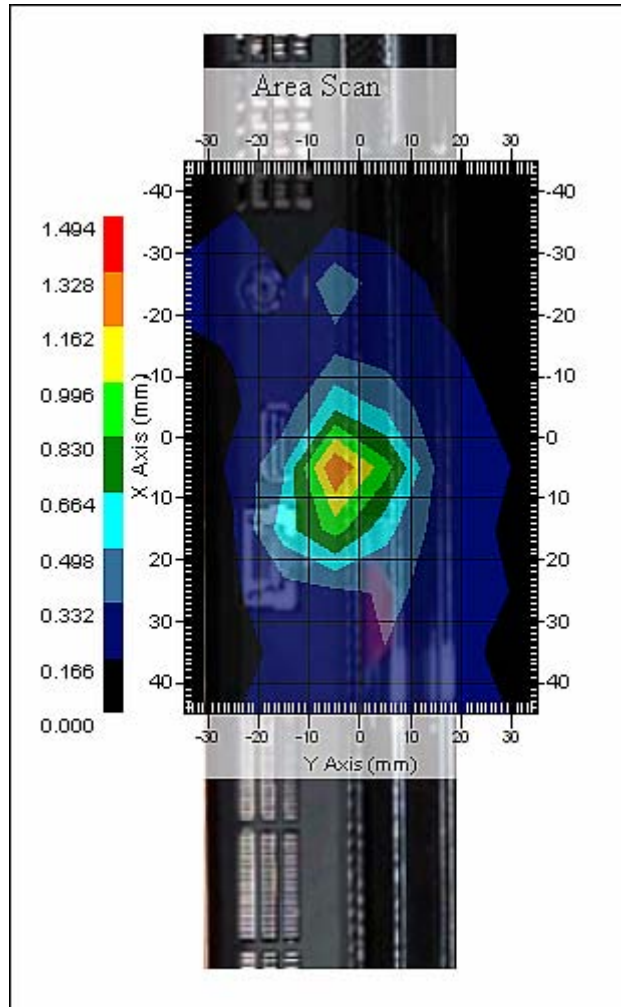
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 22.00 °C
 Ambient Temp. : 24.00 °C
 Set-up Date : 05-Jul-2007
 Set-up Time : 2:30:42 PM
 Area Scan : 10x8x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x16 : Measurement x=4mm, y=4mm, z=16mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High





1 gram SAR value : 1.215 W/kg
Zoom Scan Peak SAR : 3.152 W/kg

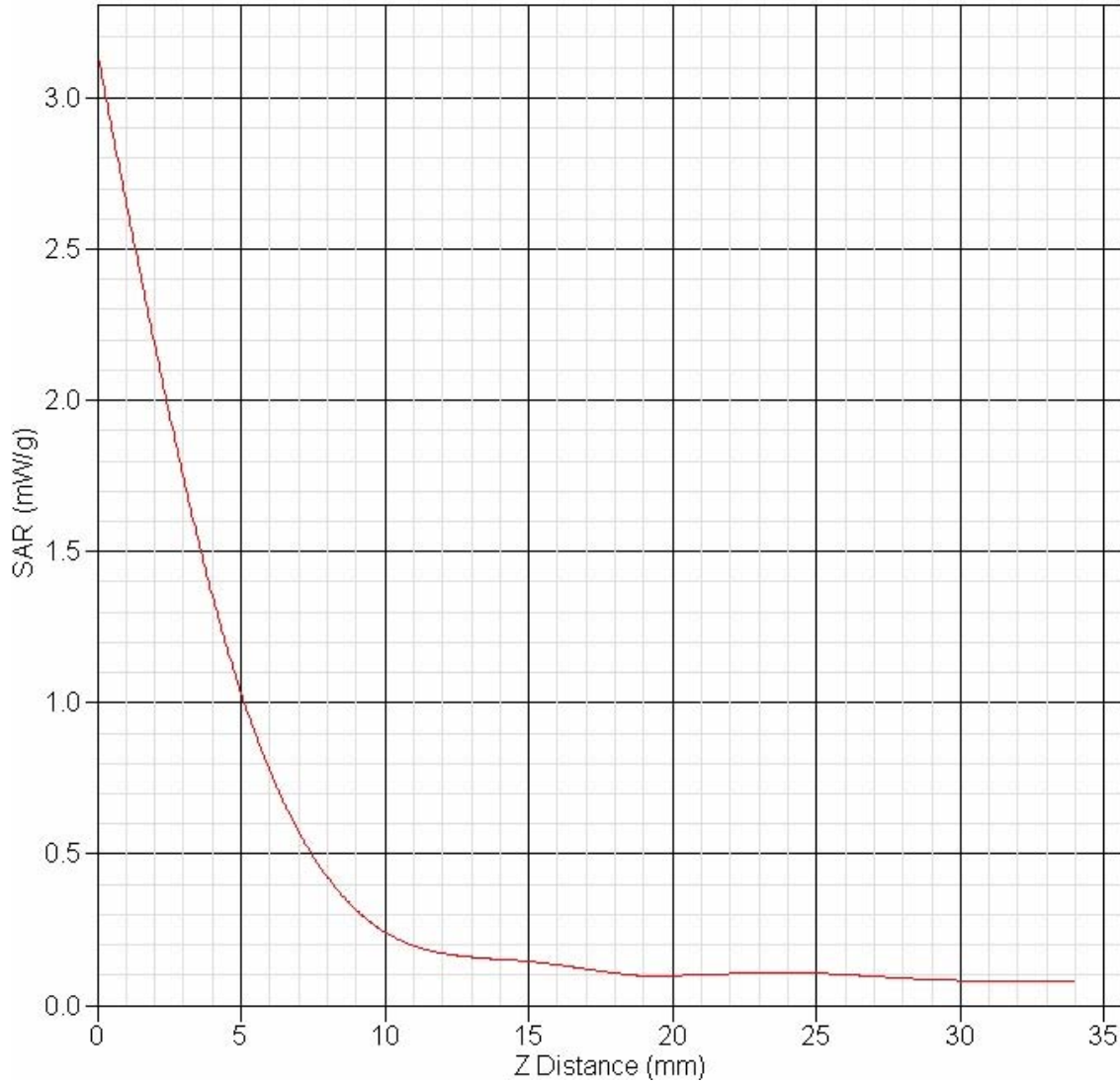


Exposure Assessment Measurement Uncertainty

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	4.7	rectangular	•3	1	1	2.7	2.7
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.)	2.5	normal	1	0.7	0.5	1.8	1.3
Liquid Permittivity (target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity (meas.)	3.7	normal	1	0.6	0.5	2.2	1.9
Combined Uncertainty		RSS				12.4	12.0
Combined Uncertainty (coverage factor=2)		Normal (k=2)				24.8	24.0



SAR-Z Axis at Hotspot x:25.05 y:-5.09



SAR Test Report

Report Date : 05-Jul-2007
 By Operator : 123
 Measurement Date : 05-Jul-2007
 Starting Time : 05-Jul-2007 04:27:54 PM
 End Time : 05-Jul-2007 04:54:15 PM
 Scanning Time : 1581 secs

Product Data

Device Name : Dell-Siberia
 Serial No. : PS060387
 Type : Other
 Model : ALS-D-5200-S-2
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 180 mm
 Width : 50 mm
 Depth : 3 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.152 W/kg
 Power Drift-Finish: 0.149 W/kg
 Power Drift (%) : -1.555
 Picture : C:\alsas\bitmap\Device-8.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. : 5800-B
 Frequency : 5800.00 MHz
 Last Calib. Date : 05-Jul-2007
 Temperature : 22.00 °C
 Ambient Temp. : 23.00 °C
 Humidity : 50.00 RH%
 Epsilon : 46.40 F/m
 Sigma : 6.15 S/m
 Density : 1000.00 kg/cu. m

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: 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

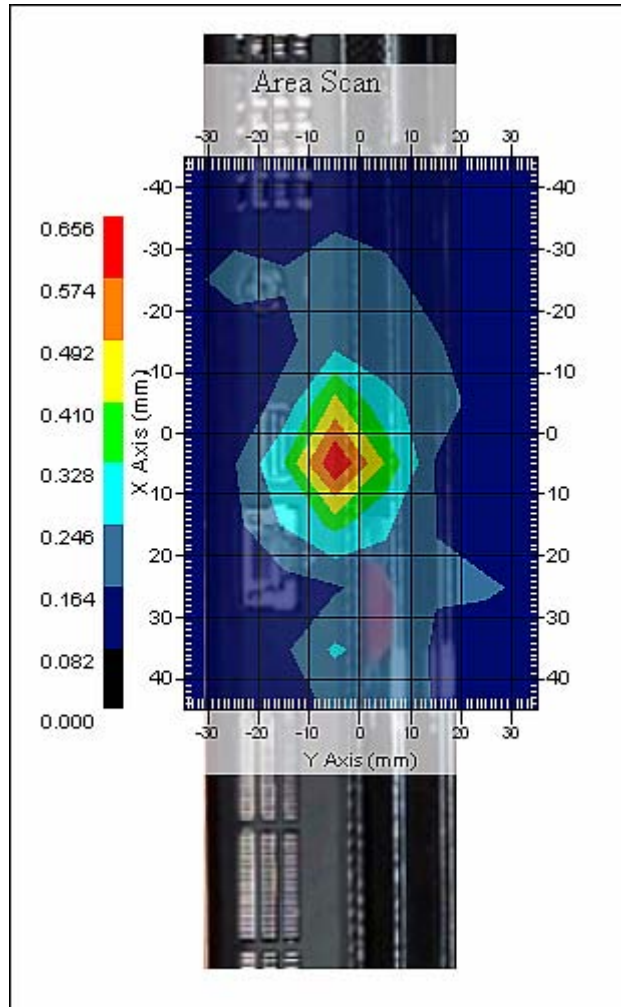
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 22.00 °C
 Ambient Temp. : 24.00 °C
 Set-up Date : 05-Jul-2007
 Set-up Time : 4:26:55 PM
 Area Scan : 10x8x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x16 : Measurement x=4mm, y=4mm, z=16mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid





1 gram SAR value : 0.598 W/kg
Zoom Scan Peak SAR : 1.361 W/kg





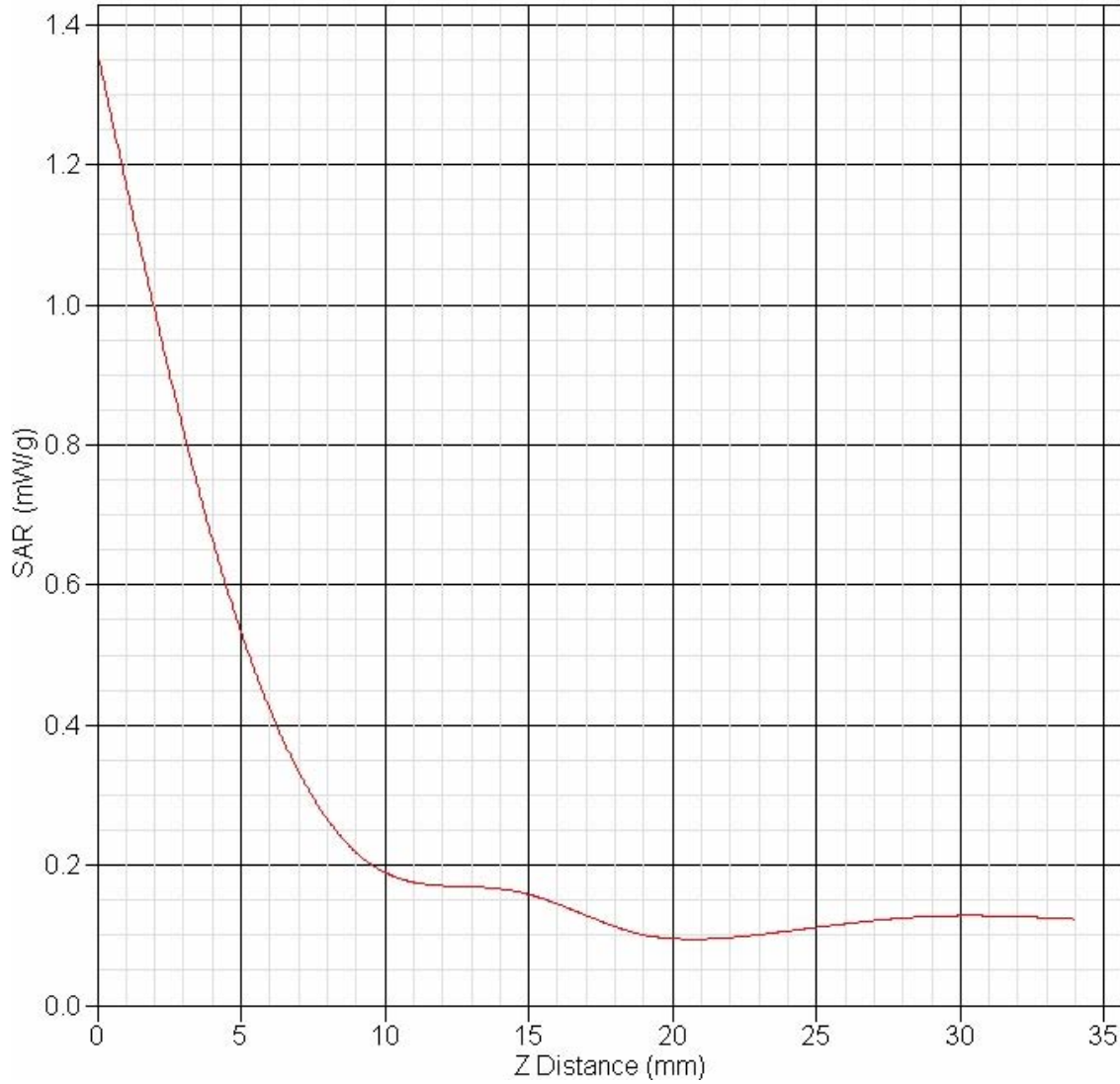
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Exposure Assessment Measurement Uncertainty

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	2.7	rectangular	•3	1	1	1.5	1.5
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.)	2.5	normal	1	0.7	0.5	1.8	1.3
Liquid Permittivity (target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity (meas.)	3.7	normal	1	0.6	0.5	2.2	1.9
Combined Uncertainty		RSS				10.5	10.3
Combined Uncertainty (coverage factor=2)		Normal (k=2)				21.0	20.6



SAR-Z Axis at Hotspot x:20.06 y:-5.10



Project number: ITLB-6FOX-5293

51 Spectrum Way
Ottawa ON Canada K2R 1E6
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SAR Test Report

Report Date : 06-Jul-2007
 By Operator : 123
 Measurement Date : 06-Jul-2007
 Starting Time : 06-Jul-2007 11:27:24 AM
 End Time : 06-Jul-2007 11:53:40 AM
 Scanning Time : 1576 secs

Product Data

Device Name : Dell-Siberia
 Serial No. : PS060387
 Type : Other
 Model : ALS-D-5200-S-2
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 180 mm
 Width : 50 mm
 Depth : 3 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.179 W/kg
 Power Drift-Finish: 0.198 W/kg
 Power Drift (%) : 4.560
 Picture : C:\alsas\bitmap\Device-8.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. : 5800-B
 Frequency : 5800.00 MHz
 Last Calib. Date : 06-Jul-2007
 Temperature : 22.00 °C
 Ambient Temp. : 23.00 °C
 Humidity : 50.00 RH%
 Epsilon : 46.40 F/m
 Sigma : 6.15 S/m
 Density : 1000.00 kg/cu. m

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: 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

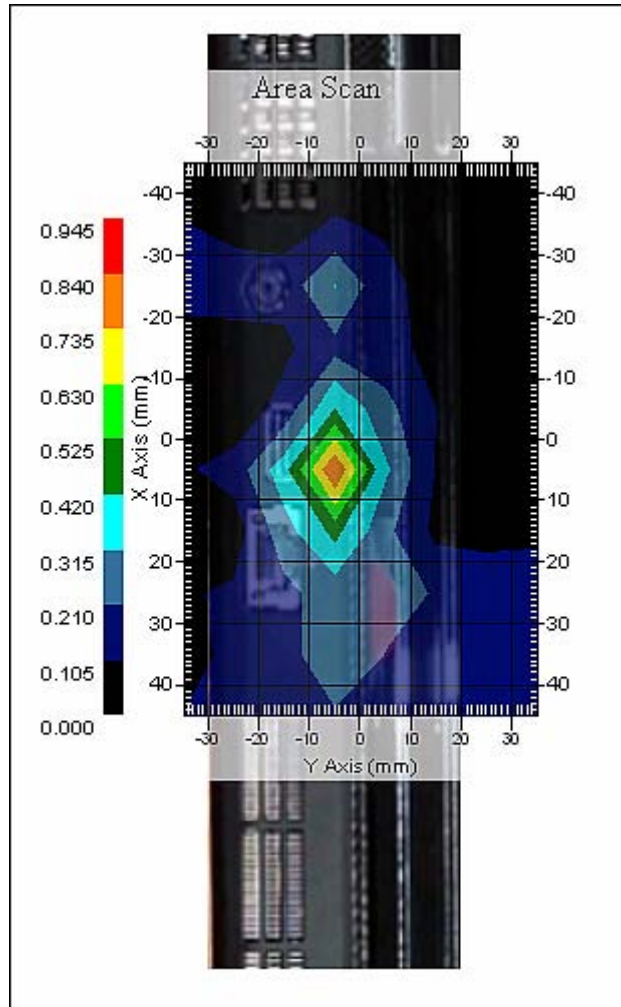
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 22.00 °C
 Ambient Temp. : 24.00 °C
 Set-up Date : 06-Jul-2007
 Set-up Time : 11:26:21 AM
 Area Scan : 10x8x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x16 : Measurement x=4mm, y=4mm, z=16mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





1 gram SAR value : 0.744 W/kg
Zoom Scan Peak SAR : 1.821 W/kg

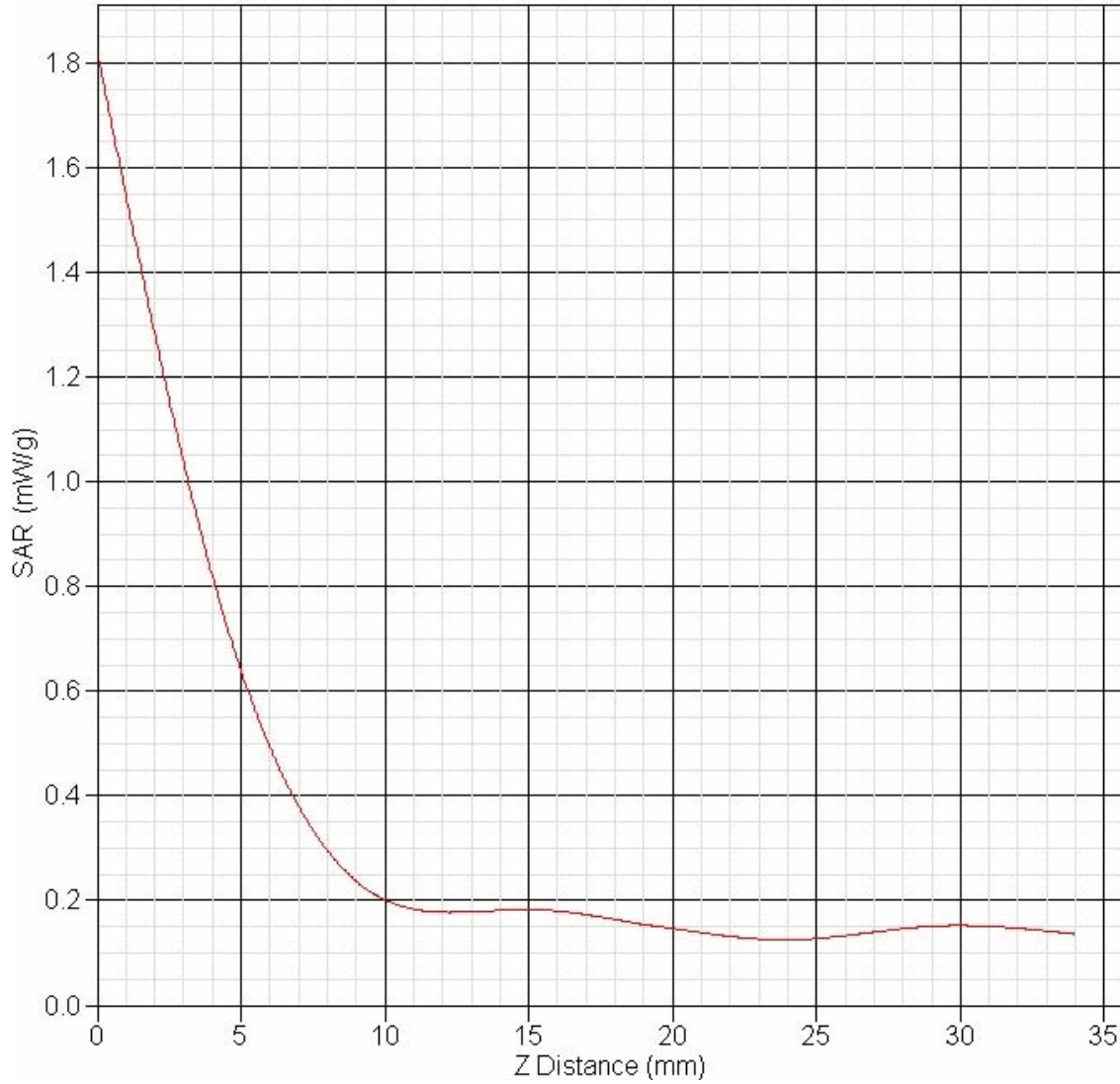


Exposure Assessment Measurement Uncertainty

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	4.6	rectangular	•3	1	1	2.65	2.65
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.)	2.5	normal	1	0.7	0.5	1.8	1.3
Liquid Permittivity (target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity (meas.)	3.7	normal	1	0.6	0.5	2.2	1.9
Combined Uncertainty		RSS				11.3	11.2
Combined Uncertainty (coverage factor=2)		Normal (k=2)				22.7	22.4



SAR-Z Axis at Hotspot x:20.23 y:-5.13



Project number: ITLB-6FOX-5293

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