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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

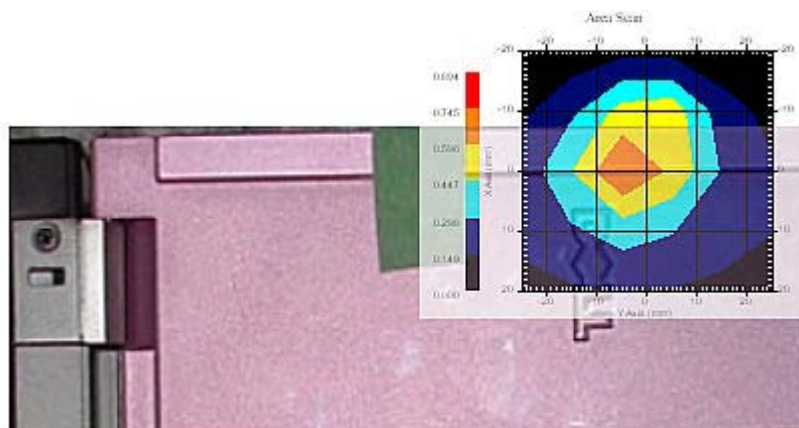
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 21.00 °C
 Set-up Date : 28-Aug-2008
 Set-up Time : 3:54:17 PM
 Area Scan : 5x6x1 : 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

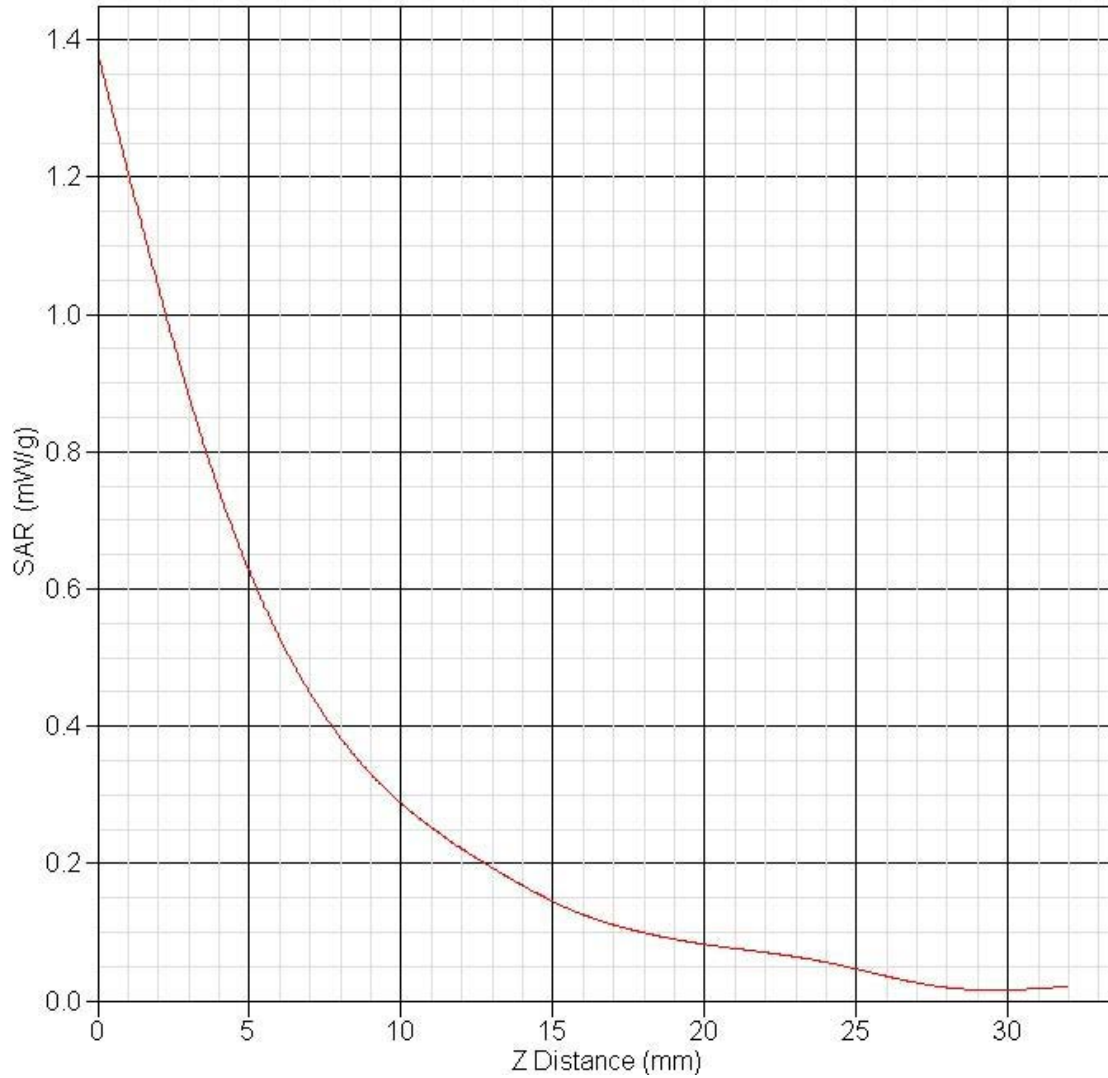




1 gram SAR value : 0.648 W/kg
Zoom Scan Peak SAR : 1.381 W/kg

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	2.5	rectangular	•3	1	1	1.4	1.4
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.)	3.5	normal	1	0.6	0.5	2.1	1.8
Combined Uncertainty		RSS				9.6	9.4
Combined Uncertainty (coverage factor=2)		Normal (k=2)				19.2	18.7

SAR-Z Axisat Hotspot $x=0.06$ $y=-5.12$ 



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SAR Test Report

Report Date : 28-Aug-2008
 By Operator : 123
 Measurement Date : 28-Aug-2008
 Starting Time : 28-Aug-2008 04:12:32 PM
 End Time : 28-Aug-2008 04:27:58 PM
 Scanning Time : 926 secs

Product Data

Device Name : Mini-Cooper-Galtronics-chainC
 Serial No. : 2102291500007
 Type : Other
 Model : 5360
 Frequency : 2450.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 60 mm
 Width : 155 mm
 Depth : 15 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.811 W/kg
 Power Drift-Finish : 0.832 W/kg
 Power Drift (%) : 2.611
 Picture : C:\alsas\bitmap\Mini-Cooper-5357-front3.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 : 25-Aug-2008
 Temperature : 20.00 °C
 Ambient Temp. : 21.00 °C
 Humidity : 40.00 RH%
 Epsilon : 50.83 F/m
 Sigma : 1.96 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

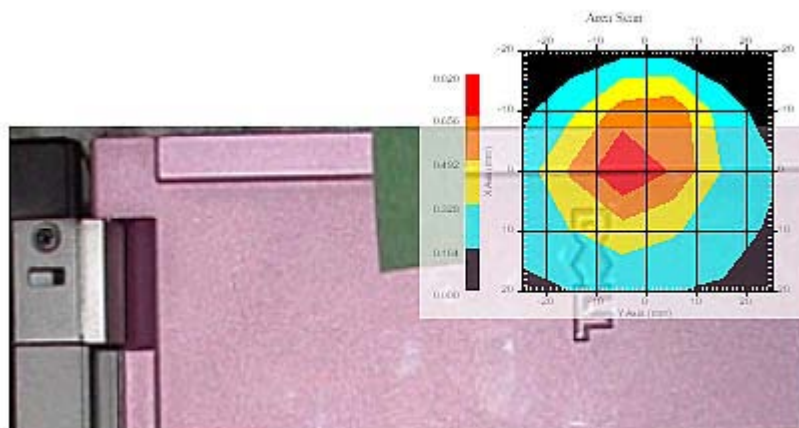
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 21.00 °C
 Set-up Date : 28-Aug-2008
 Set-up Time : 4:11:57 PM
 Area Scan : 5x6x1 : 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





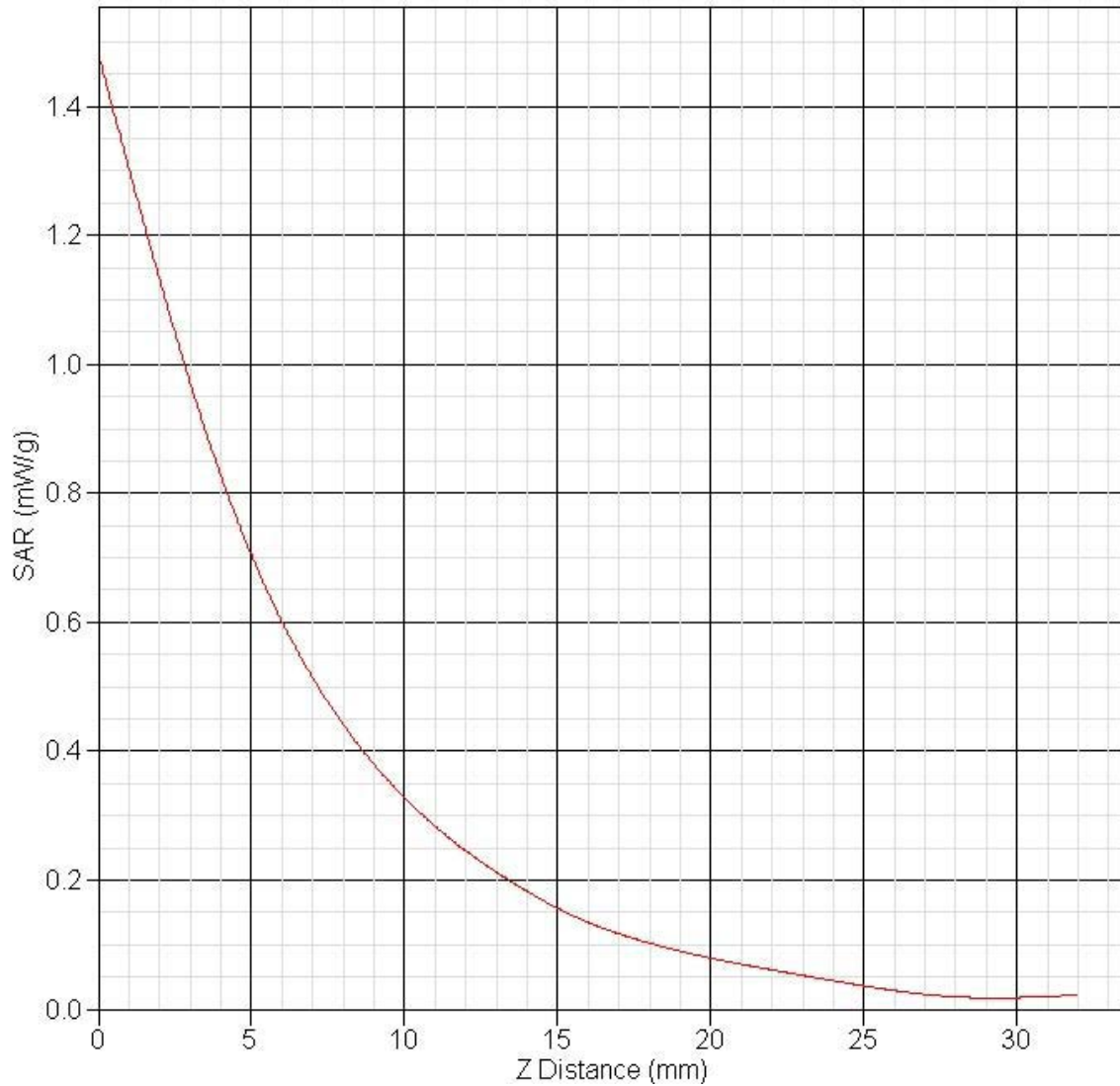
1 gram SAR value : 0.722 W/kg
Zoom Scan Peak SAR : 1.481 W/kg

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	2.6	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.)	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.)	3.5	normal	1	0.6	0.5	2.1	1.8
Combined Uncertainty		RSS				9.6	9.4
Combined Uncertainty (coverage factor=2)		Normal (k=2)				19.2	18.7



SAR-Z Axis at Hotspot x:0.05 y:-5.15





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SAR Test Report

Report Date : 29-Aug-2008
 By Operator : 123
 Measurement Date : 29-Aug-2008
 Starting Time : 29-Aug-2008 01:37:39 PM
 End Time : 29-Aug-2008 02:10:46 PM
 Scanning Time : 1987 secs

Product Data
 Device Name : Mini-Cooper-Galtronics-front2
 Serial No. : 2102291500007
 Type : Dipole
 Model : APL
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 50 mm
 Width : 200 mm
 Depth : 13 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.602 W/kg
 Power Drift-Finish : 0.598 W/kg
 Power Drift (%) : -1.195
 Picture : C:\alsas\bitmap\Device-21.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 : 29-Aug-2008
 Temperature : 20.00 °C
 Ambient Temp. : 21.00 °C
 Humidity : 40.00 RH%
 Epsilon : 48.59 F/m
 Sigma : 5.15 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

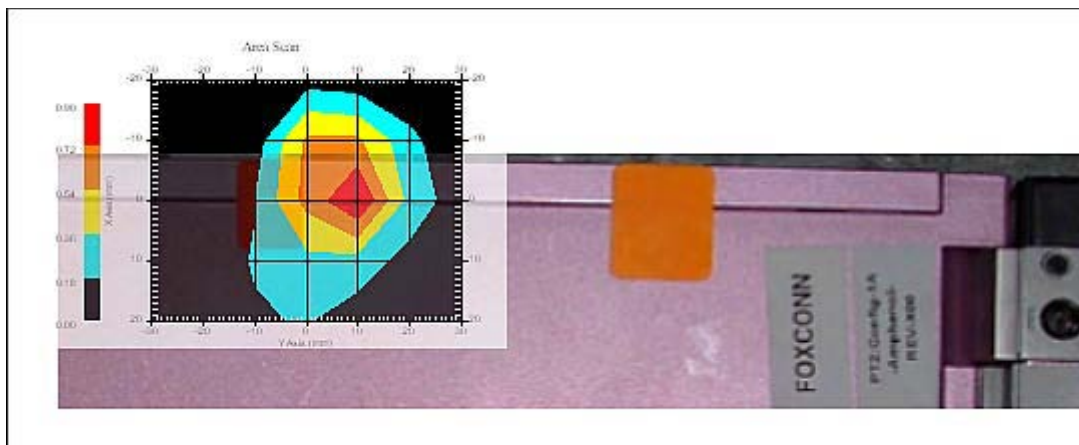
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 21.00 °C
 Set-up Date : 29-Aug-2008
 Set-up Time : 1:28:01 PM
 Area Scan : 5x6x1 : Measurement x=10mm, y=10mm, z=1.6mm
 Zoom Scan : 16x16x17 : Measurement x=2mm, y=2mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





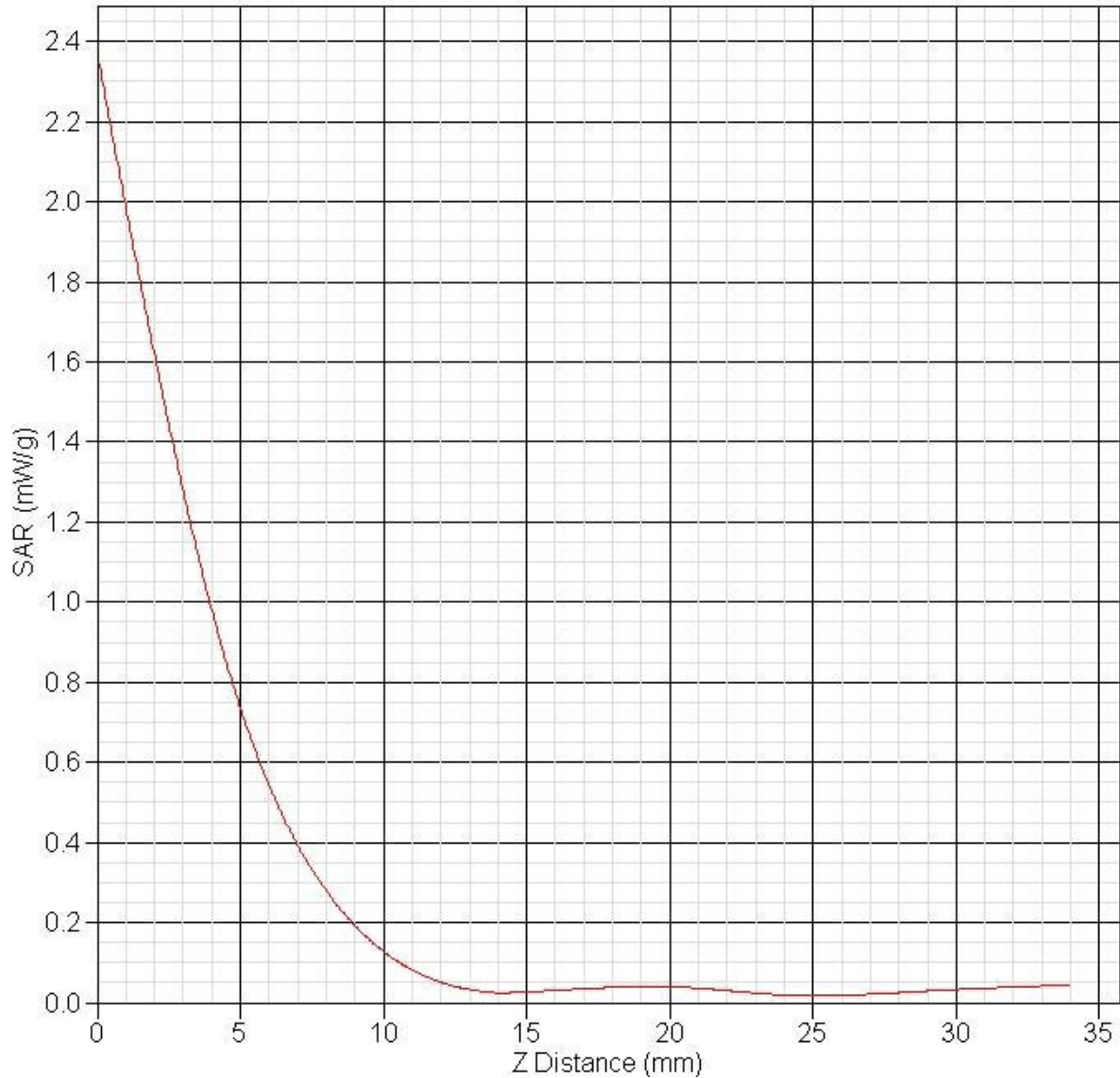
1 gram SAR value : 1.216 W/kg
 Zoom Scan Peak SAR : 2.371 W/kg

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	1.2	rectangular	•3	1	1	0.7	0.7
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.)	3.7	normal	1	0.7	0.5	2.6	1.9
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	0.6	normal	1	0.6	0.5	0.4	0.3
Combined Uncertainty		RSS				9.4	7.7
Combined Uncertainty (coverage factor=2)		Normal (k=2)				18.8	15.4

SAR-Z Axis

at Hotspot x:-3.97 y:9.88





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SAR Test Report

Report Date : 30-Aug-2008
 By Operator : 123
 Measurement Date : 30-Aug-2008
 Starting Time : 30-Aug-2008 01:32:58 PM
 End Time : 30-Aug-2008 02:53:54 PM
 Scanning Time : 1256 secs

Product Data
 Device Name : Mini-Cooper-Galtronics-chainC
 Serial No. : 2102291500007
 Type : Dipole
 Model : APL
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 60 mm
 Width : 130 mm
 Depth : 15 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.241 W/kg
 Power Drift-Finish : 0.251 W/kg
 Power Drift (%) : 3.377
 Picture : C:\alsas\bitmap\Mini-Cooper-5357-front1.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 : 29-Aug-2008
 Temperature : 20.00 °C
 Ambient Temp. : 21.00 °C
 Humidity : 40.00 RH%
 Epsilon : 48.59 F/m
 Sigma : 5.15 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

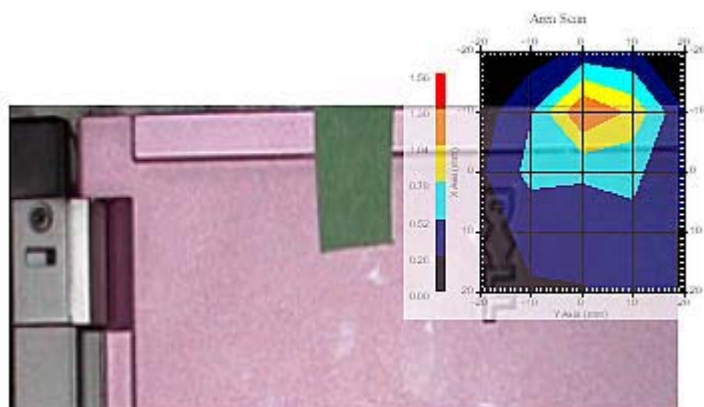
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 21.00 °C
 Set-up Date : 30-Aug-2008
 Set-up Time : 2:32:29 PM
 Area Scan : 5x6x1 : Measurement x=10mm, y=10mm, z=1.6mm
 Zoom Scan : 16x16x17 : Measurement x=2mm, y=2mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





1 gram SAR value : 1.180 W/kg
 Zoom Scan Peak SAR : 3.733 W/kg



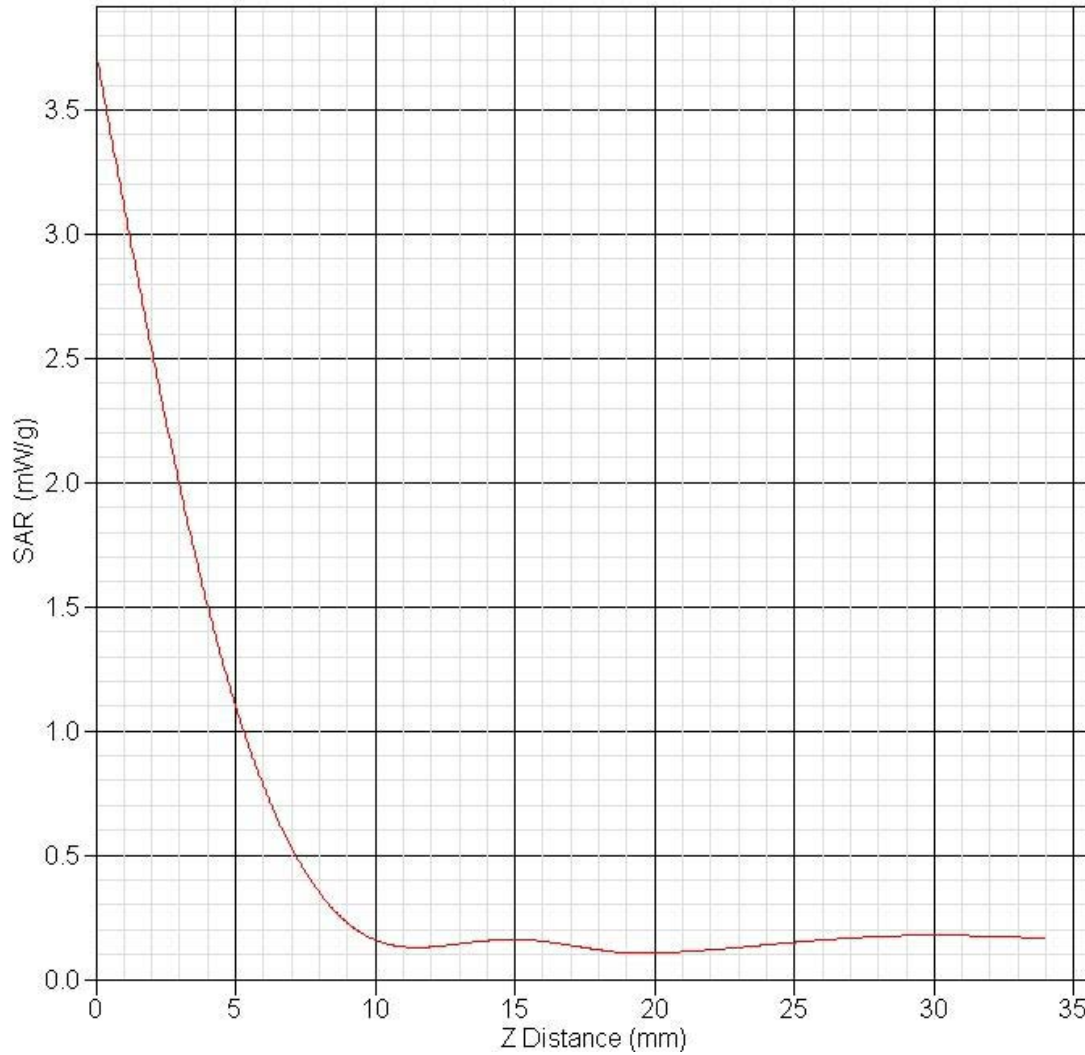
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Exposure Assessment Measurement Uncertainty

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	9.4	rectangular	•3	1	1	1.9	1.9
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.)	3.7	normal	1	0.7	0.5	2.6	1.9
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	0.6	normal	1	0.6	0.5	0.4	0.3
Combined Uncertainty		RSS				10.6	8.9
Combined Uncertainty (coverage factor=2)		Normal (k=2)				21.2	17.8



SAR-Z Axis at Hotspot x:-9.97 y:4.88





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SAR Test Report

Report Date : 30-Aug-2008
 By Operator : 123
 Measurement Date : 30-Aug-2008
 Starting Time : 30-Aug-2008 01:59:33 PM
 End Time : 30-Aug-2008 03:20:48 PM
 Scanning Time : 1275 secs

Product Data
 Device Name : Mini-Cooper-Galtronics-chainC
 Serial No. : 2102291500007
 Type : Dipole
 Model : APL
 Frequency : 5200.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 60 mm
 Width : 130 mm
 Depth : 15 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.356 W/kg
 Power Drift-Finish : 0.355 W/kg
 Power Drift (%) : 0.503
 Picture : C:\alsas\bitmap\Mini-Cooper-5357-front1.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 : 29-Aug-2008
 Temperature : 20.00 °C
 Ambient Temp. : 21.00 °C
 Humidity : 40.00 RH%
 Epsilon : 48.59 F/m
 Sigma : 5.15 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

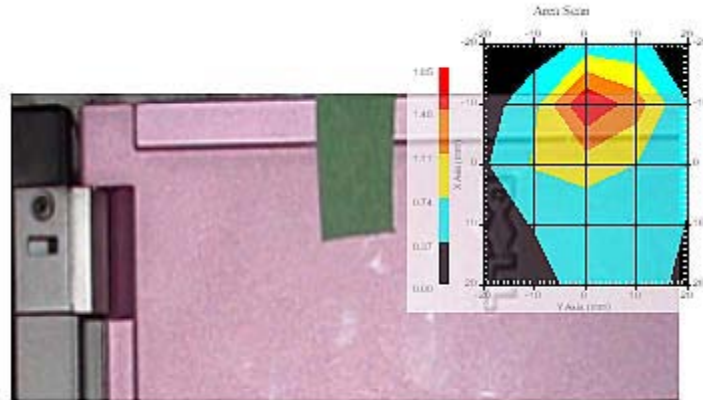
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 21.00 °C
 Set-up Date : 30-Aug-2008
 Set-up Time : 2:58:52 PM
 Area Scan : 5x6x1 : Measurement x=10mm, y=10mm, z=1.6mm
 Zoom Scan : 16x16x17 : Measurement x=2mm, y=2mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





1 gram SAR value : 1.252 W/kg
 Zoom Scan Peak SAR : 4.433 W/kg



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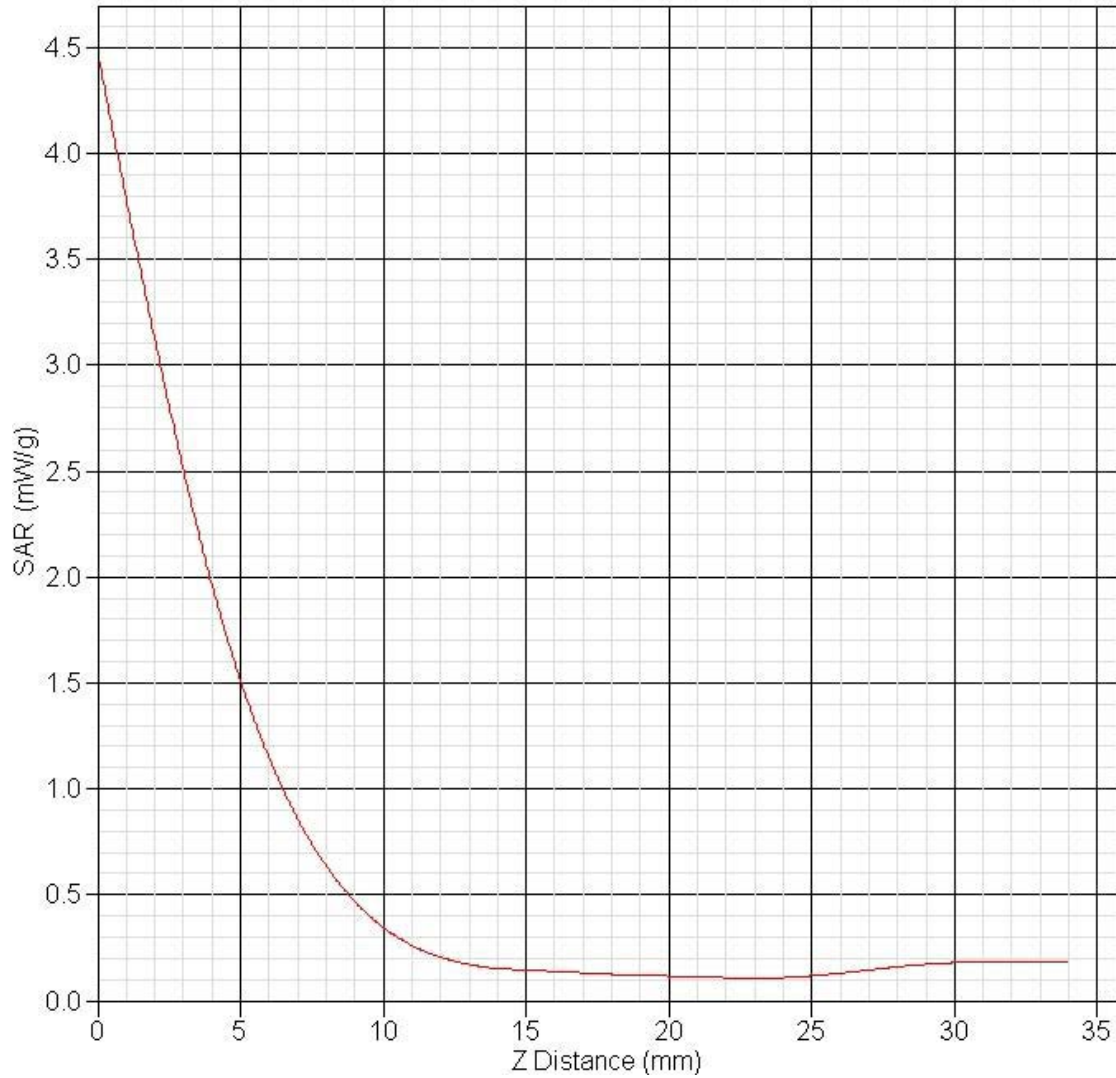
Exposure Assessment Measurement Uncertainty

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	0.5	rectangular	•3	1	1	0.3	0.3
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.)	3.7	normal	1	0.7	0.5	2.6	1.9
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	0.6	normal	1	0.6	0.5	0.4	0.3
Combined Uncertainty		RSS				9	7.3
Combined Uncertainty (coverage factor=2)		Normal (k=2)				18	14.6



SAR-Z Axis

at Hotspot x:-9.95 y:4.88





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SAR Test Report

Report Date : 30-Aug-2008
 By Operator : 123
 Measurement Date : 30-Aug-2008
 Starting Time : 30-Aug-2008 02:26:37 PM
 End Time : 30-Aug-2008 03:47:48 PM
 Scanning Time : 1271 secs

Product Data

Device Name : Mini-Cooper-Galtronics-chainC
 Serial No. : 2102291500007
 Type : Dipole
 Model : APL
 Frequency : 5600.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 60 mm
 Width : 130 mm
 Depth : 15 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.399 W/kg
 Power Drift-Finish : 0.394 W/kg
 Power Drift (%) : -1.000
 Picture : C:\alsas\bitmap\Mini-Cooper-5357-front1.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 : 29-Aug-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 47.59 F/m
 Sigma : 5.75 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 : 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

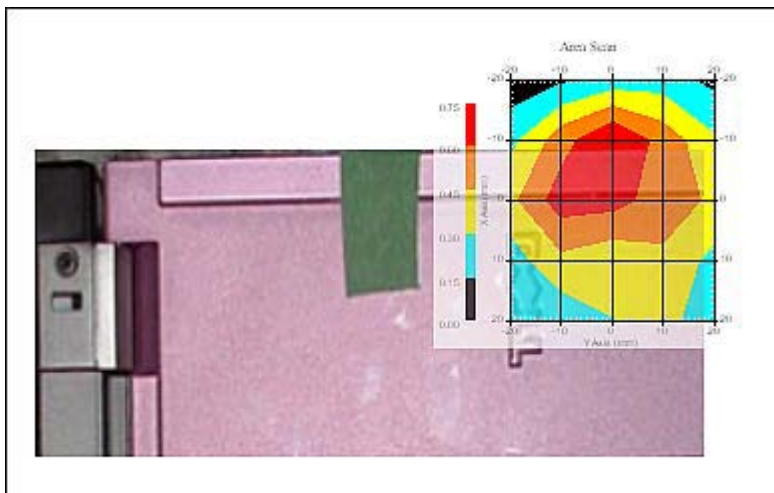
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 30-Aug-2008
 Set-up Time : 3:25:51 PM
 Area Scan : 5x6x1 : Measurement x=10mm, y=10mm, z=1.6mm
 Zoom Scan : 16x16x17 : Measurement x=2mm, y=2mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid





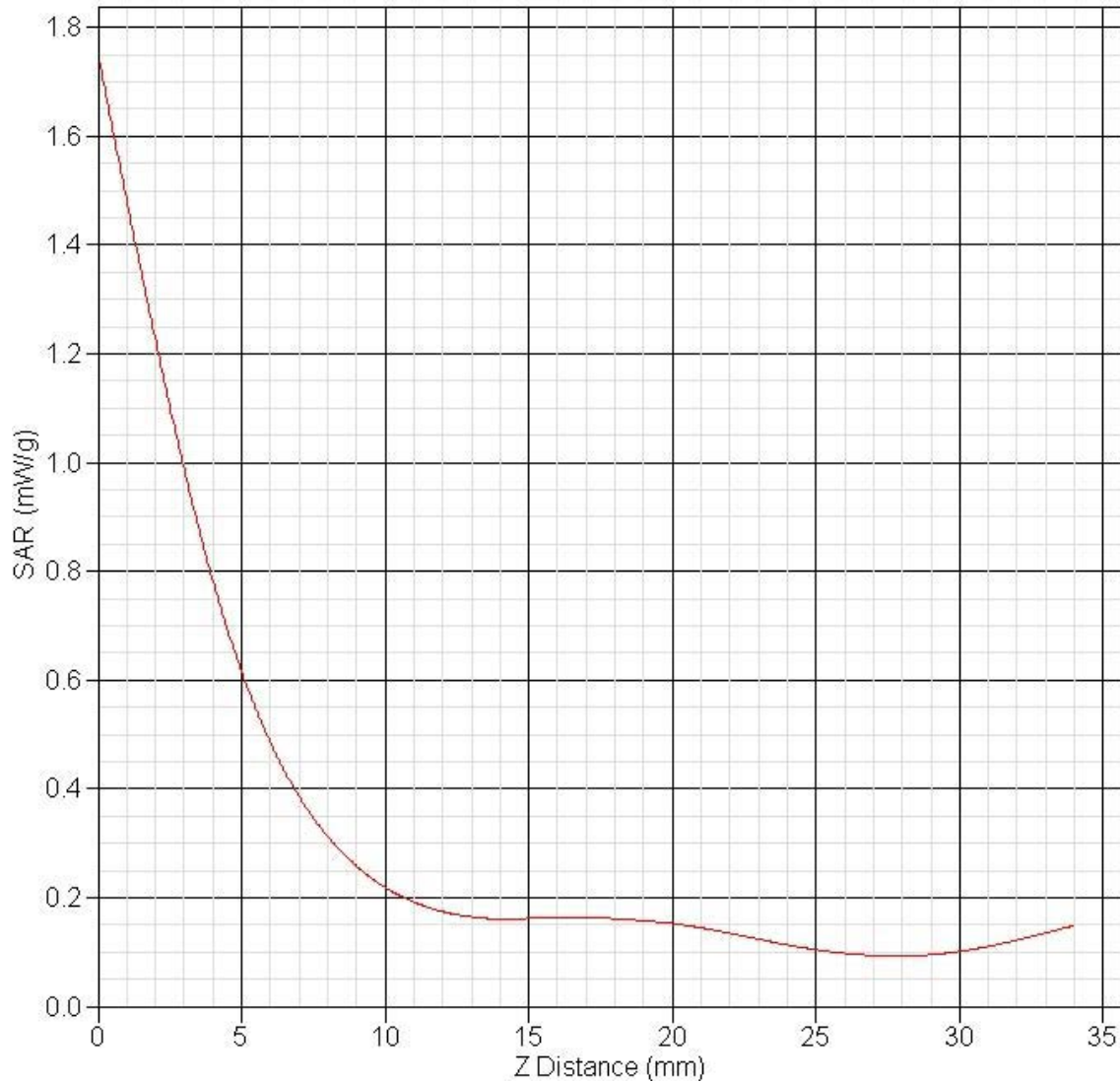
1 gram SAR value : 0.750 W/kg
Zoom Scan Peak SAR : 1.751 W/kg

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	1.0	rectangular	•3	1	1	0.6	0.6
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.)	1.4	normal	1	0.7	0.5	0	0
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	1.4	normal	1	0.6	0.5	2.1	1.9
Combined Uncertainty		RSS				8.4	7.3
Combined Uncertainty (coverage factor=2)		Normal (k=2)				16.8	14.6

SAR-Z Axis

at Hotspot x:-9.95 y:-0.12





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SAR Test Report

Report Date : 30-Aug-2008
 By Operator : 123
 Measurement Date : 30-Aug-2008
 Starting Time : 30-Aug-2008 02:50:21 PM
 End Time : 30-Aug-2008 04:11:15 PM
 Scanning Time : 1254 secs

Product Data
 Device Name : Mini-Cooper-Galtronics-chainC
 Serial No. : 2102291500007
 Type : Dipole
 Model : APL
 Frequency : 5600.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 60 mm
 Width : 130 mm
 Depth : 15 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.353 W/kg
 Power Drift-Finish : 0.363 W/kg
 Power Drift (%) : 2.731
 Picture : C:\alsas\bitmap\Mini-Cooper-5357-front1.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 : 29-Aug-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 47.59 F/m
 Sigma : 5.75 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 : 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

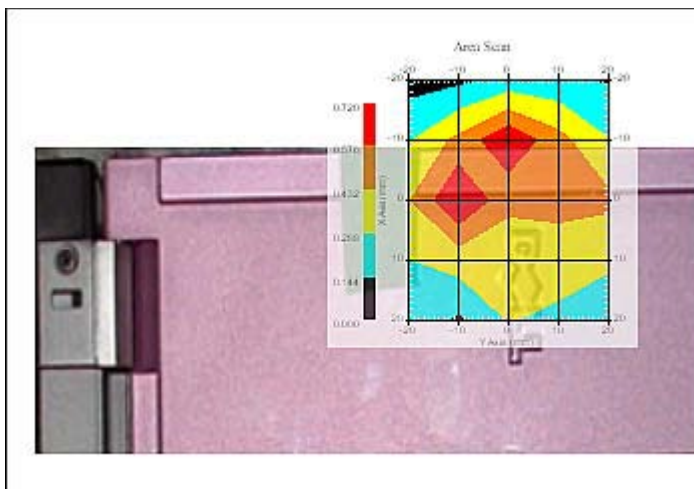
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 30-Aug-2008
 Set-up Time : 3:49:54 PM
 Area Scan : 5x6x1 : Measurement x=10mm, y=10mm, z=1.6mm
 Zoom Scan : 16x16x17 : Measurement x=2mm, y=2mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid





1 gram SAR value : 0.710 W/kg
 Zoom Scan Peak SAR : 1.891 W/kg



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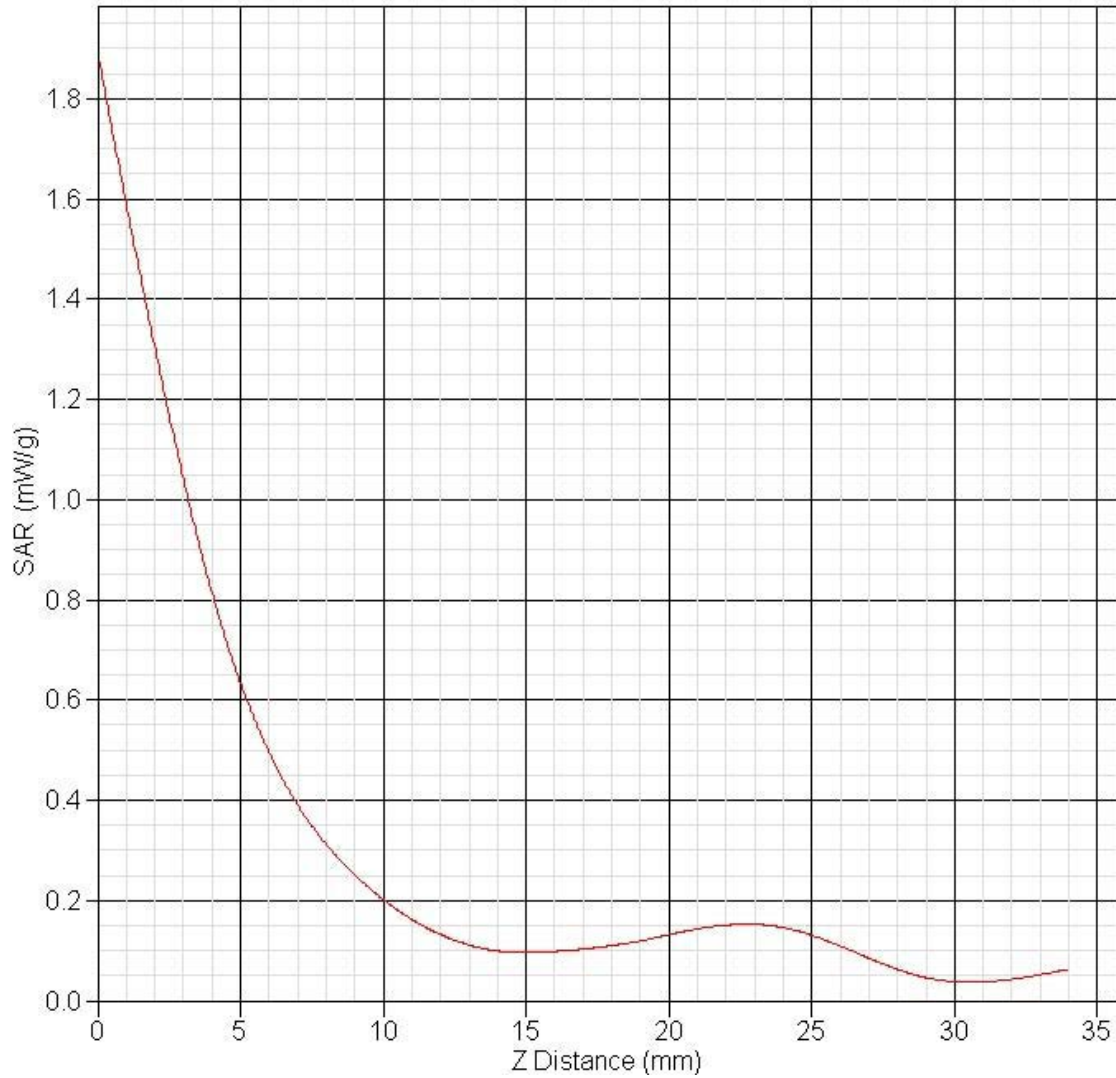
Exposure Assessment Measurement Uncertainty

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	2.7	rectangular	•3	1	1	1.6	1.6
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.)	1.4	normal	1	0.7	0.5	0.0	0.0
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	1.4	normal	1	0.6	0.5	0.0	0.0
Combined Uncertainty		RSS				9.4	9.2
Combined Uncertainty (coverage factor=2)		Normal (k=2)				18.7	18.4



SAR-Z Axis

at Hotspot x:0.03 y:-10.12





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SAR Test Report

Report Date : 30-Aug-2008
 By Operator : 123
 Measurement Date : 30-Aug-2008
 Starting Time : 30-Aug-2008 03:15:05 PM
 End Time : 30-Aug-2008 04:36:52 PM
 Scanning Time : 1307 secs

Product Data
 Device Name : Mini-Cooper-Galtronics-chainC
 Serial No. : 2102291500007
 Type : Dipole
 Model : APL
 Frequency : 5600.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 60 mm
 Width : 130 mm
 Depth : 15 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.381 W/kg
 Power Drift-Finish : 0.412 W/kg
 Power Drift (%) : 8.235
 Picture : C:\alsas\bitmap\Mini-Cooper-5357-front1.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 : 29-Aug-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 47.59 F/m
 Sigma : 5.75 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 : 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

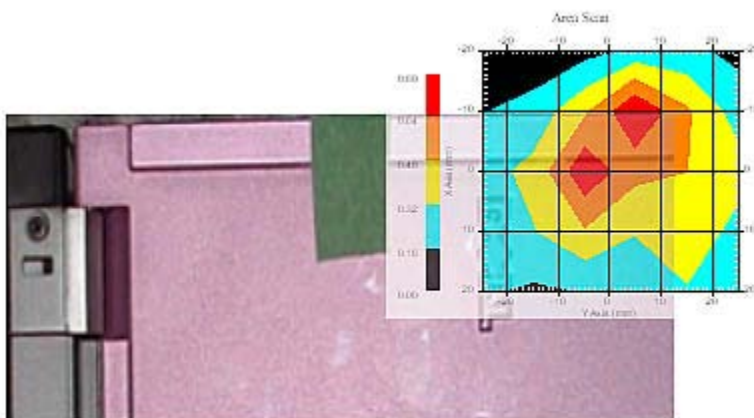
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 30-Aug-2008
 Set-up Time : 4:14:23 PM
 Area Scan : 5x6x1 : Measurement x=10mm, y=10mm, z=1.6mm
 Zoom Scan : 16x16x17 : Measurement x=2mm, y=2mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid





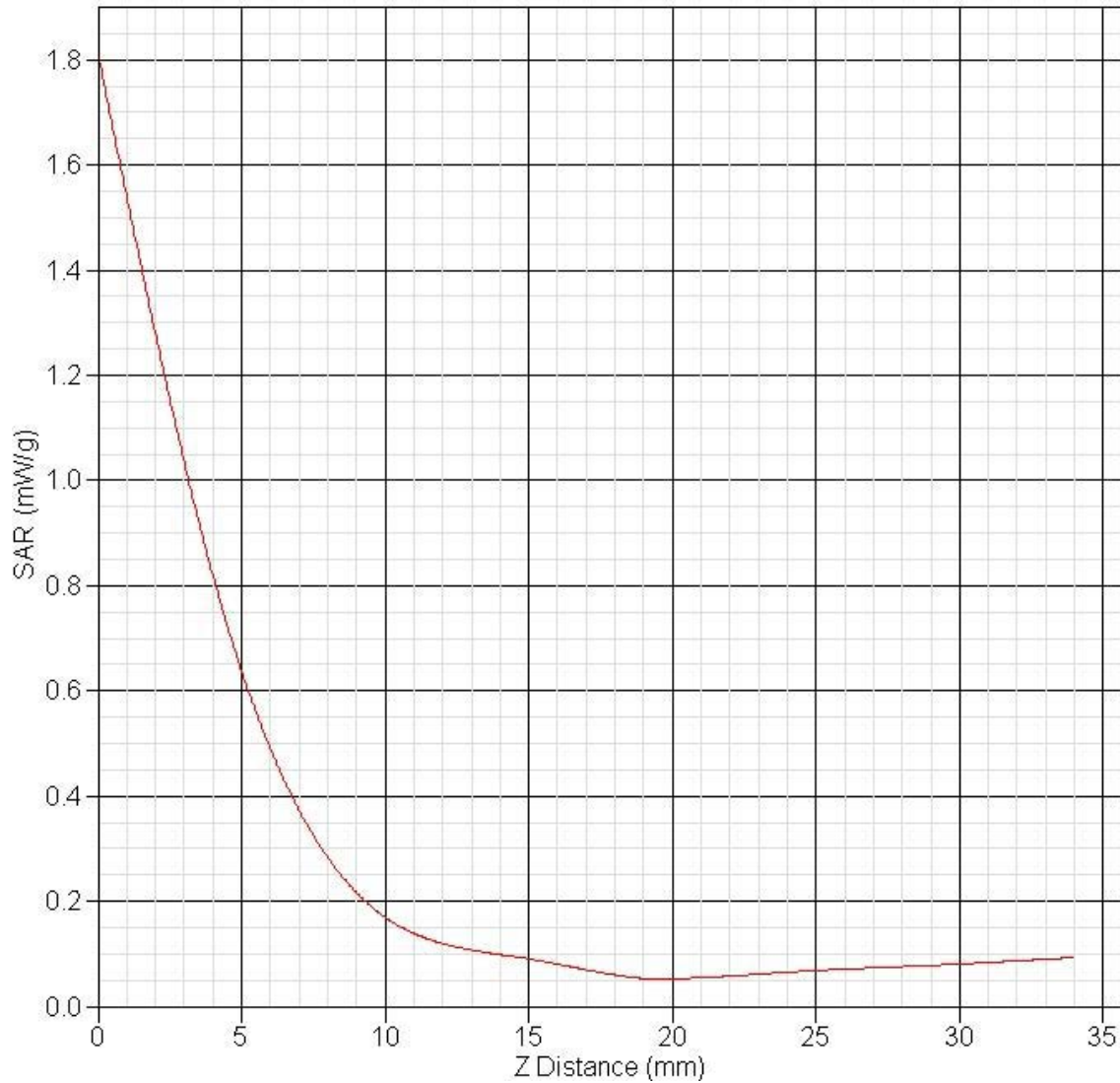
1 gram SAR value : 0.681 W/kg
Zoom Scan Peak SAR : 1.811 W/kg

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	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.)	1.4	normal	1	0.7	0.5	0.0	0.0
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	1.4	normal	1	0.6	0.5	0.0	0.0
Combined Uncertainty		RSS				10.4	10.3
Combined Uncertainty (coverage factor=2)		Normal (k=2)				20.8	20.5

SAR-Z Axis

at Hotspot x:-4.95 y:-0.13





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SAR Test Report

Report Date : 30-Aug-2008
 By Operator : 123
 Measurement Date : 30-Aug-2008
 Starting Time : 30-Aug-2008 04:40:45 PM
 End Time : 30-Aug-2008 06:02:47 PM
 Scanning Time : 1322 secs

Product Data
 Device Name : Mini-Cooper-Galtronics-chainC
 Serial No. : 2102291500007
 Type : Dipole
 Model : APL
 Frequency : 5800.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 60 mm
 Width : 130 mm
 Depth : 15 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.416 W/kg
 Power Drift-Finish: 0.422 W/kg
 Power Drift (%) : 1.453
 Picture : C:\alsas\bitmap\Mini-Cooper-5357-front1.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 : 29-Aug-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 50.00 RH%
 Epsilon : 46.90 F/m
 Sigma : 6.00 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 $\mu\text{V}/(\text{V/m})^2$
 Compression Point: 95.00 mV
 Offset : 1.56 mm

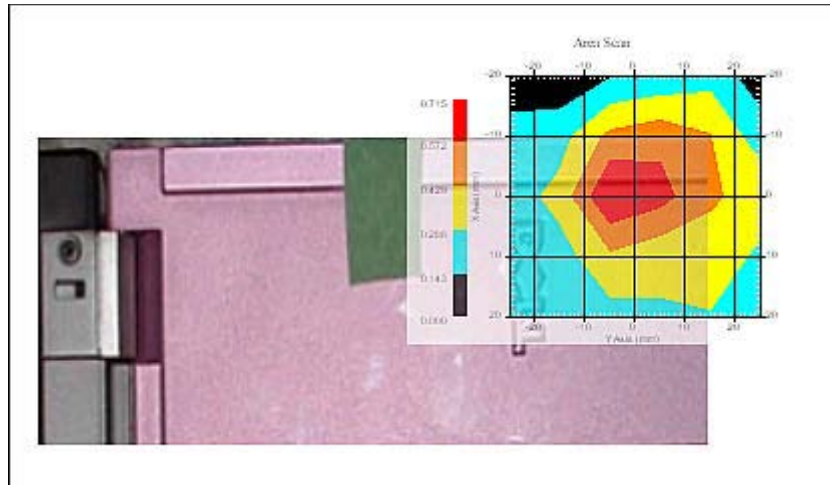
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 30-Aug-2008
 Set-up Time : 4:40:08 PM
 Area Scan : 5x6x1 : Measurement x=10mm, y=10mm, z=1.6mm
 Zoom Scan : 16x16x17 : Measurement x=2mm, y=2mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid





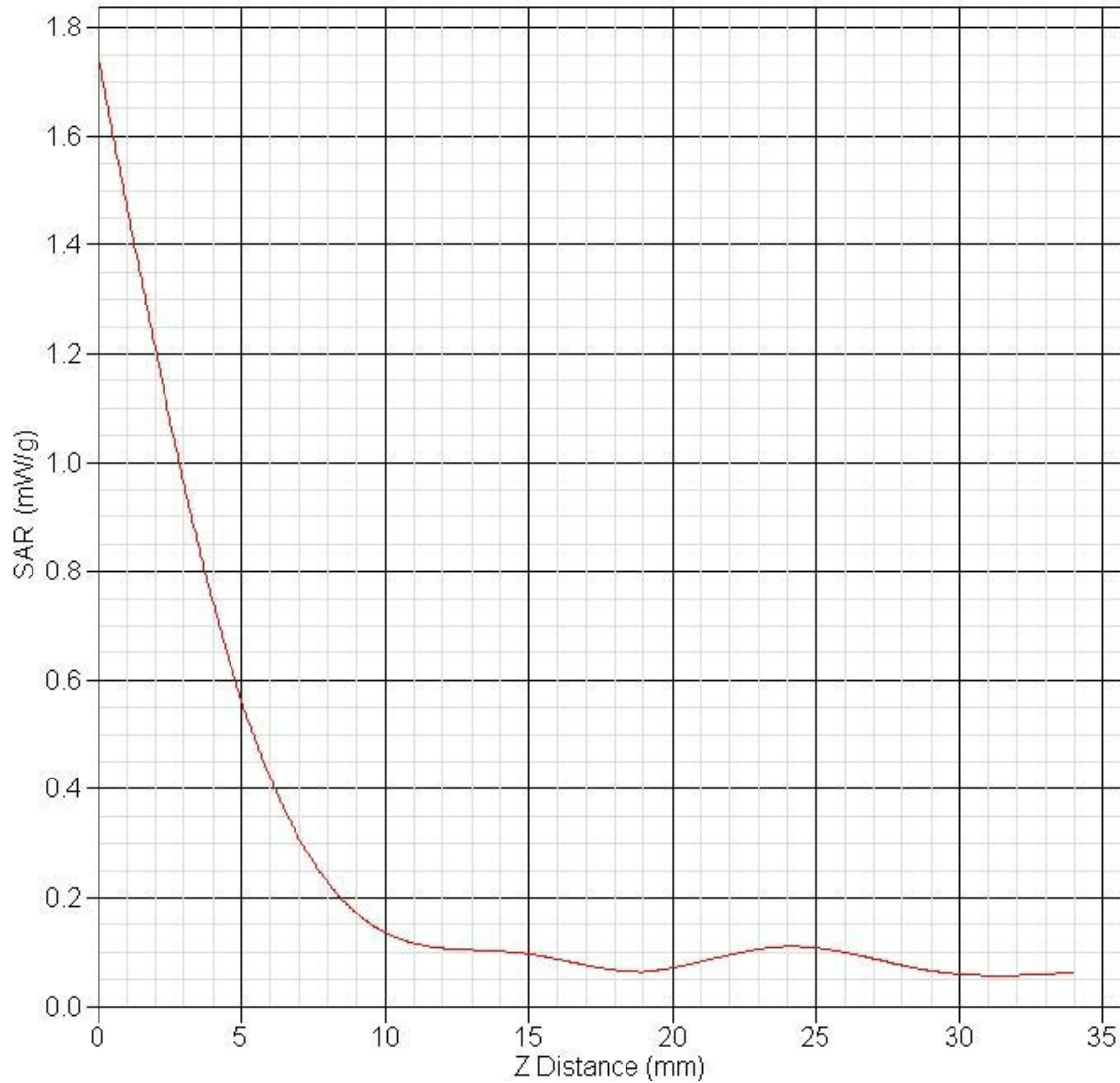
1 gram SAR value : 0.700 W/kg
Zoom Scan Peak SAR : 1.751 W/kg

Exposure Assessment Measurement Uncertainty

Source of Uncertainty	Tolerance Value	Probability Distribution	Divisor	c_i^{-1} (1-g)	c_i^{-1} (10-g)	Standard Uncertainty (1-g) %	Standard Uncertainty (10-g) %
Measurement System							
Probe Calibration	3.5	normal	1	1	1	3.5	3.5
Axial Isotropy	3.7	rectangular	•3	$(1-cp)^{1/2}$	$(1-cp)^{1/2}$	1.5	1.5
Hemispherical Isotropy	10.9	rectangular	•3	•cp	•cp	4.4	4.4
Boundary Effect	1.0	rectangular	•3	1	1	0.6	0.6
Linearity	4.7	rectangular	•3	1	1	2.7	2.7
Detection Limit	1.0	rectangular	•3	1	1	0.6	0.6
Readout Electronics	1.0	normal	1	1	1	1.0	1.0
Response Time	0.8	rectangular	•3	1	1	0.5	0.5
Integration Time	1.7	rectangular	•3	1	1	1.0	1.0
RF Ambient Condition	3.0	rectangular	•3	1	1	1.7	1.7
Probe Positioner Mech.	0.4	rectangular	•3	1	1	0.2	0.2
Restriction							
Probe Positioning with respect to Phantom Shell	2.9	rectangular	•3	1	1	1.7	1.7
Extrapolation and Integration	3.7	rectangular	•3	1	1	2.1	2.1
Test Sample Positioning	4.0	normal	1	1	1	4.0	4.0
Device Holder Uncertainty	2.0	normal	1	1	1	2.0	2.0
Drift of Output Power	1.5	rectangular	•3	1	1	0.8	0.8
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2.0	2.0
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2.0	1.4
Liquid Conductivity(meas.)	0.0	normal	1	0.7	0.5	0.0	0.0
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	2.7	normal	1	0.6	0.5	1.6	1.3
Combined Uncertainty		RSS				9.4	9.2
Combined Uncertainty (coverage factor=2)		Normal (k=2)				18.8	18.4



SAR-Z Axis at Hotspot x:0.06 y:-0.12





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SAR Test Report

Report Date : 31-Aug-2008
 By Operator : 123
 Measurement Date : 31-Aug-2008
 Starting Time : 31-Aug-2008 10:21:49 AM
 End Time : 31-Aug-2008 11:43:57 AM
 Scanning Time : 1328 secs

Product Data

Device Name : Mini-Cooper-Galtronics-chainC
 Serial No. : 2102291500007
 Type : Dipole
 Model : APL
 Frequency : 5800.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 60 mm
 Width : 130 mm
 Depth : 15 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.378 W/kg
 Power Drift-Finish : 0.381 W/kg
 Power Drift (%) : 0.665
 Picture : C:\alsas\bitmap\Mini-Cooper-5357-front1.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 : 29-Aug-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 50.00 RH%
 Epsilon : 46.90 F/m
 Sigma : 6.00 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

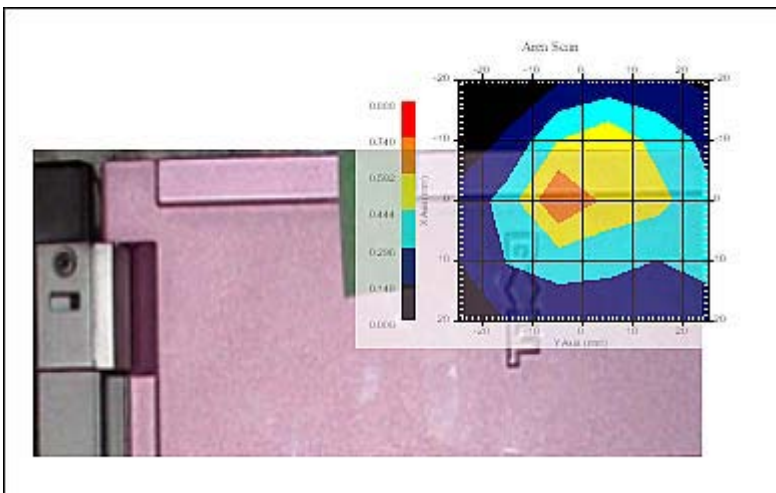
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 31-Aug-2008
 Set-up Time : 11:21:13 AM
 Area Scan : 5x6x1 : Measurement x=10mm, y=10mm, z=1.6mm
 Zoom Scan : 16x16x17 : Measurement x=2mm, y=2mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



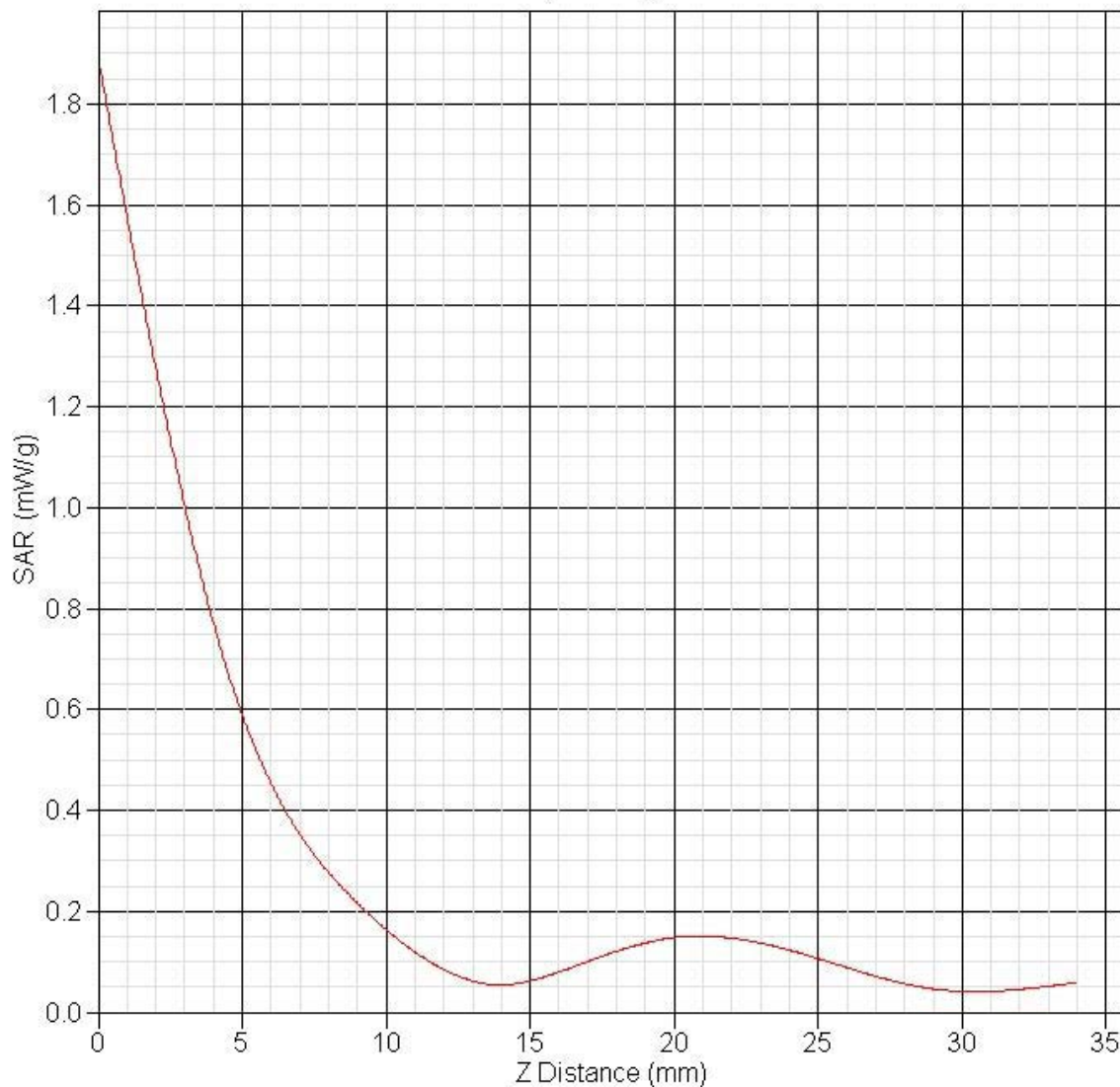


1 gram SAR value : 0.737 W/kg
 Zoom Scan Peak SAR : 1.891 W/kg

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	0.7	rectangular	•3	1	1	0.4	0.4
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.)	0.0	normal	1	0.7	0.5	0.0	0.0
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	2.7	normal	1	0.6	0.5	1.6	1.3
Combined Uncertainty		RSS				9.4	9.2
Combined Uncertainty (coverage factor=2)		Normal (k=2)				18.8	18.3

SAR-Z Axis at Hotspot x:0.26 y:-5.13





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SAR Test Report

Report Date : 31-Aug-2008
 By Operator : 123
 Measurement Date : 31-Aug-2008
 Starting Time : 31-Aug-2008 11:47:06 AM
 End Time : 31-Aug-2008 01:09:04 PM
 Scanning Time : 1318 secs

Product Data

Device Name : Mini-Cooper-Galtronics-chainC
 Serial No. : 2102291500007
 Type : Dipole
 Model : APL
 Frequency : 5800.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 60 mm
 Width : 130 mm
 Depth : 15 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.437 W/kg
 Power Drift-Finish : 0.364 W/kg
 Power Drift (%) : -1.696
 Picture : C:\alsas\bitmap\Mini-Cooper-5357-front1.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 : 29-Aug-2008
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 50.00 RH%
 Epsilon : 46.90 F/m
 Sigma : 6.00 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 $\mu\text{V}/(\text{V/m})^2$
 Compression Point: 95.00 mV
 Offset : 1.56 mm

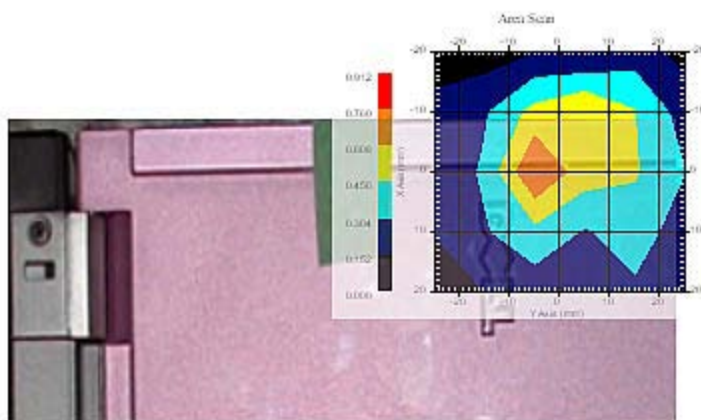
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 31-Aug-2008
 Set-up Time : 11:46:27 AM
 Area Scan : 5x6x1 : Measurement x=10mm, y=10mm, z=1.6mm
 Zoom Scan : 16x16x17 : Measurement x=2mm, y=2mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid





1 gram SAR value : 0.779 W/kg
 Zoom Scan Peak SAR : 1.791 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	16.7	rectangular	•3	1	1	9.6	9.6
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.)	0.0	normal	1	0.7	0.5	0.0	0.0
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	2.7	normal	1	0.6	0.5	1.6	1.3
Combined Uncertainty		RSS				13.4	13.3
Combined Uncertainty (coverage factor=2)		Normal (k=2)				26.8	26.5

SAR-Z Axis

at Hotspot $x=0.07$ $y=-5.10$

