

Probe Data

Name : APREL
 Model : E-020
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 02-Dec-2008
 Frequency : 2450.00 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

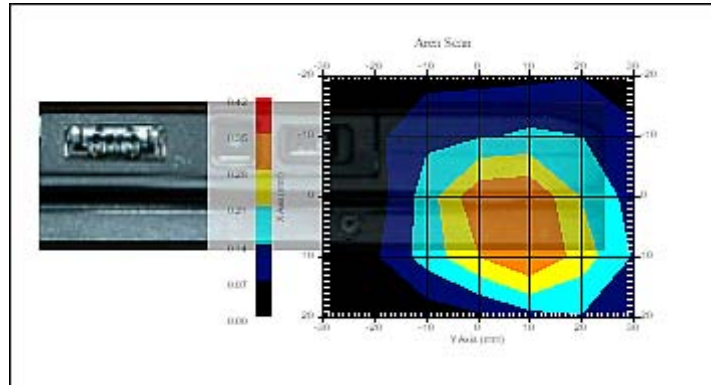
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 14-Jan-2009
 Set-up Time : 1:06:47 PM
 Area Scan : 5x7x1 : 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 : 0.342 W/kg
 Zoom Scan Peak SAR : 0.780 W/kg





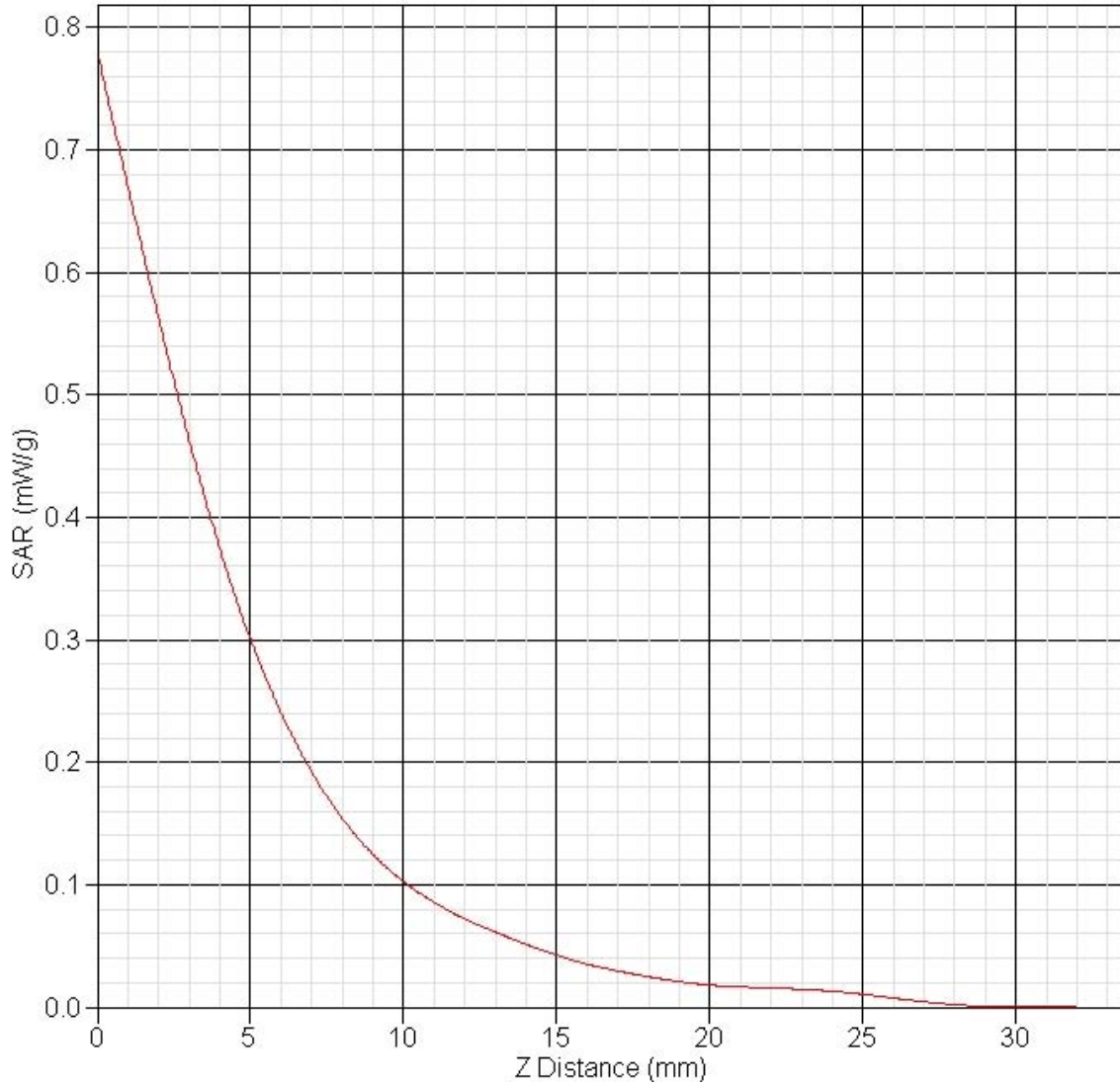
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Exposure Assessment Measurement Uncertainty

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	1.3	rectangular	•3	1	1	1.1	1.1
Phantom and Setup							
Phantom Uncertainty (shape & thickness tolerance)	3.4	rectangular	•3	1	1	2	2
Liquid Conductivity (target)	5.0	rectangular	•3	0.7	0.5	2	1.4
Liquid Conductivity (meas.)	5.1	normal	1	0.7	0.5	3.6	2.6
Liquid Permittivity (target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity (meas.)	2.2	normal	1	0.6	0.5	1.3	1.1
Combined Uncertainty		RSS				11.7	9.6
Combined Uncertainty (coverage factor=2)		Normal (k=2)				23.4	19.2



SAR-Z Axis at Hotspot x:2.15 y:1.84



SAR Test Report

Report Date : 14-Jan-2009
 By Operator : 123
 Measurement Date : 14-Jan-2009
 Starting Time : 14-Jan-2009 01:49:00 PM
 End Time : 14-Jan-2009 02:01:08 PM
 Scanning Time : 728 secs

Product Data
 Device Name : AMG-Yageo-5407-leftC
 Serial No. : 70166-8AI-00BA
 Type : Other
 Model : Yageo-Bump-533
 Frequency : 2450.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 30 mm
 Width : 110 mm
 Depth : 330 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.038 W/kg
 Power Drift-Finish: 0.036 W/kg
 Power Drift (%) : -2.692
 Picture : C:\alsas\bitmap\AMG-Yageo-533-5407-sideC.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 : 12-Jan-2009
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 51.53 F/m
 Sigma : 2.03 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 : 02-Dec-2008
 Frequency : 2450.00 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

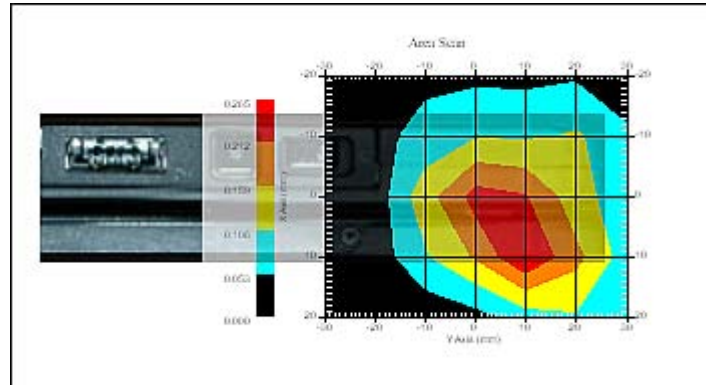
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 14-Jan-2009
 Set-up Time : 1:48:36 PM
 Area Scan : 5x7x1 : 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 : 0.234 W/kg
 Zoom Scan Peak SAR : 0.500 W/kg





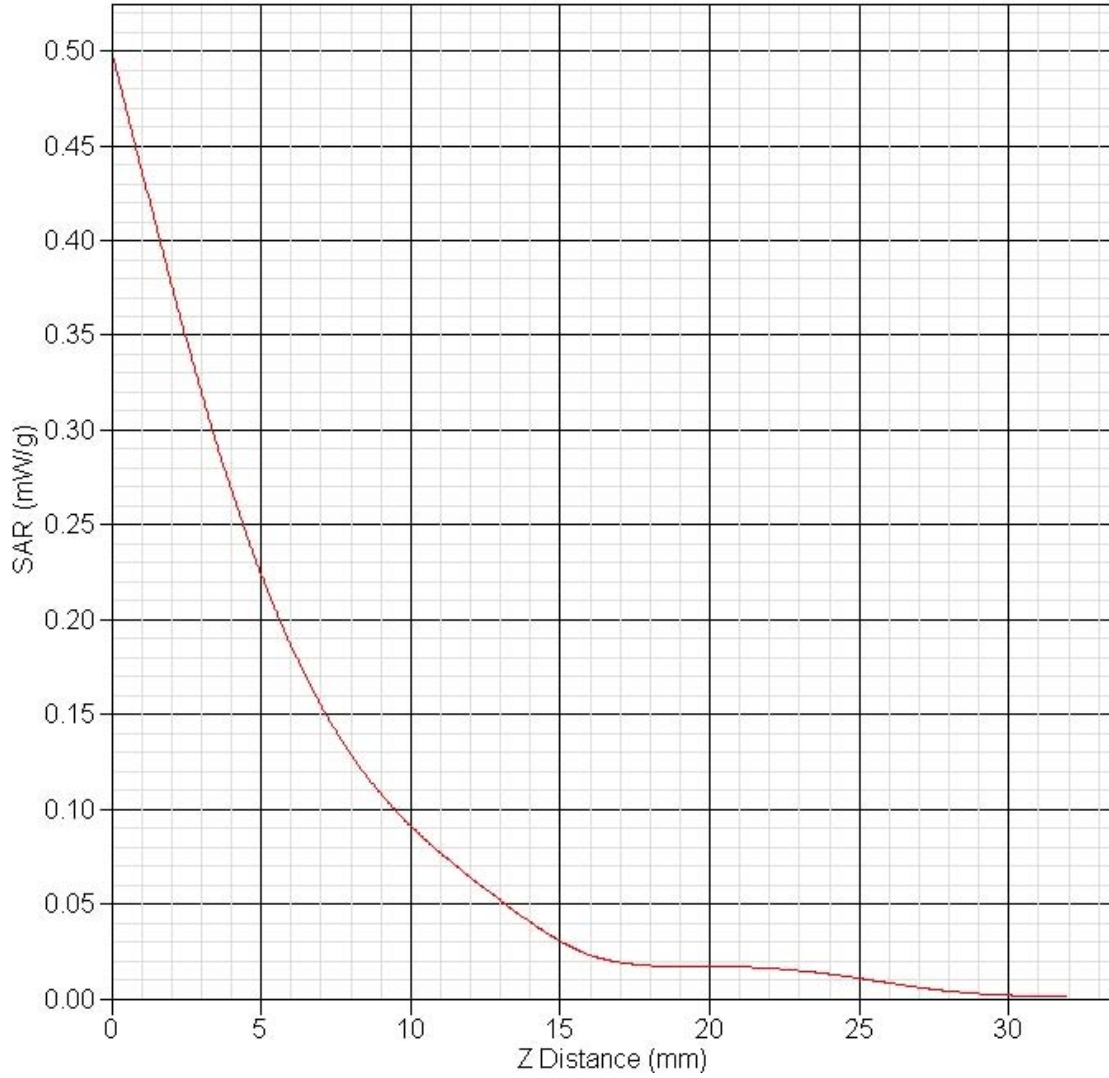
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Exposure Assessment Measurement Uncertainty

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	2.6	rectangular	•3	1	1	1.6	1.6
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.)	5.1	normal	1	0.7	0.5	3.6	2.6
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	2.2	normal	1	0.6	0.5	1.3	1.1
Combined Uncertainty		RSS				12.2	10.1
Combined Uncertainty (coverage factor=2)		Normal (k=2)				24.4	20.2



SAR-Z Axis at Hotspot x:2.16 y:1.85



SAR Test Report

Report Date : 14-Jan-2009
 By Operator : 123
 Measurement Date : 14-Jan-2009
 Starting Time : 14-Jan-2009 03:08:47 PM
 End Time : 14-Jan-2009 03:20:45 PM
 Scanning Time : 718 secs

Product Data
 Device Name : AMG-Yageo-5407-leftC
 Serial No. : 70166-8AI-00BA
 Type : Other
 Model : Yageo-Bump-533
 Frequency : 2450.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 30 mm
 Width : 110 mm
 Depth : 330 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.048 W/kg
 Power Drift-Finish: 0.044 W/kg
 Power Drift (%) : -7.170
 Picture : C:\alsas\bitmap\AMG-Yageo-533-5407-sideC.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 : 12-Jan-2009
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 51.53 F/m
 Sigma : 2.03 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 : 02-Dec-2008
 Frequency : 2450.00 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

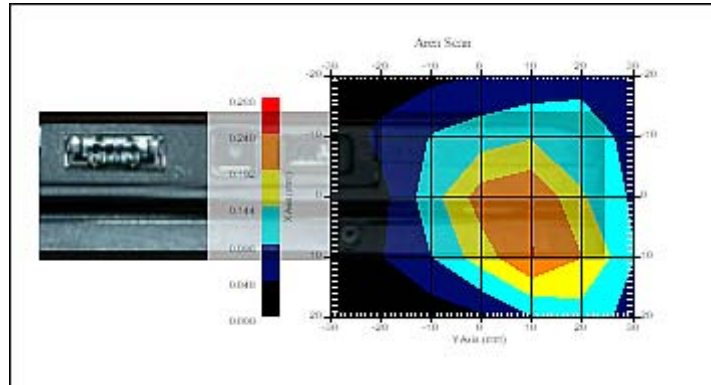
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 14-Jan-2009
 Set-up Time : 3:08:21 PM
 Area Scan : 5x7x1 : 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 : 0.245 W/kg
 Zoom Scan Peak SAR : 0.540 W/kg





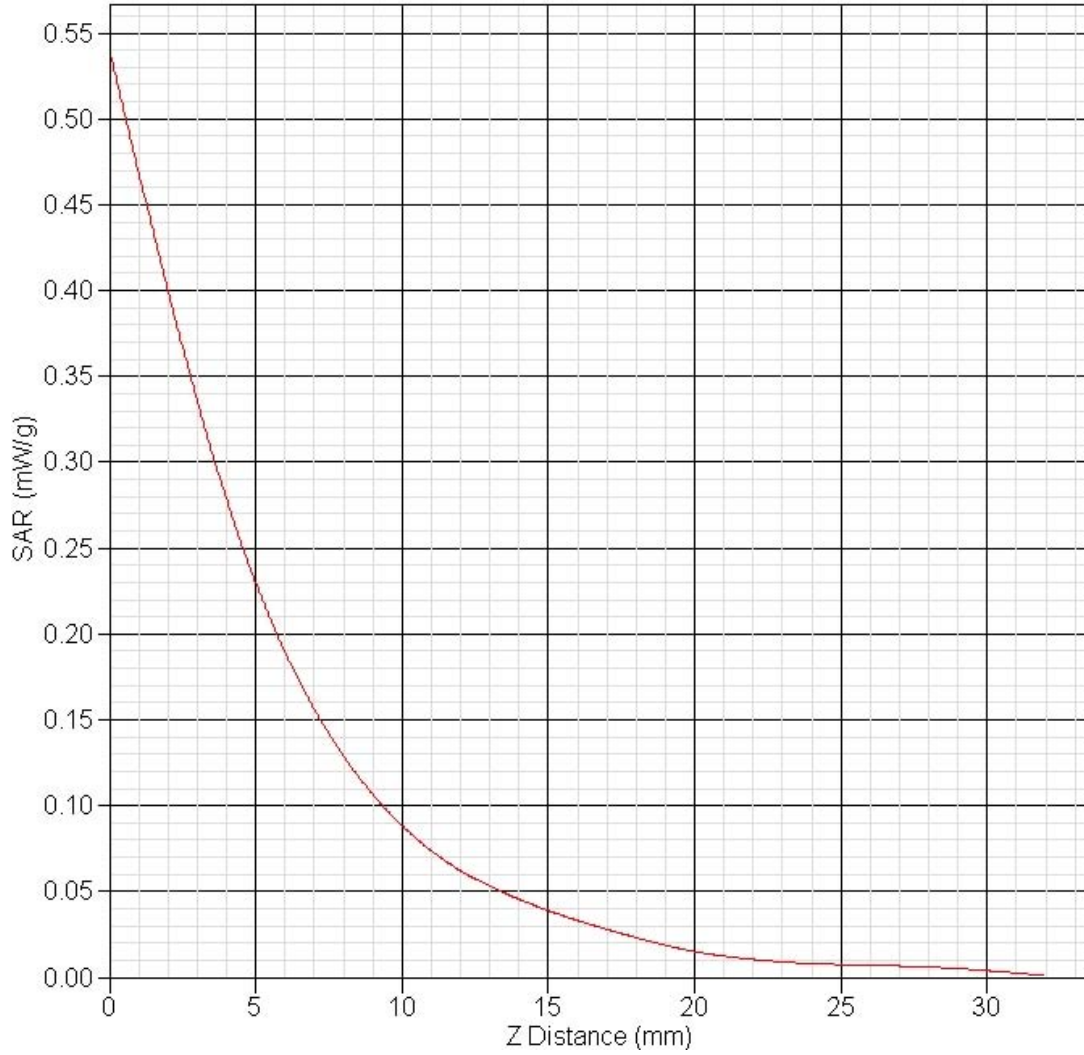
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Exposure Assessment Measurement Uncertainty

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	7.2	rectangular	•3	1	1	4.1	4.1
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.)	5.1	normal	1	0.7	0.5	3.6	2.6
Liquid Permittivity (target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity (meas.)	2.2	normal	1	0.6	0.5	1.3	1.1
Combined Uncertainty		RSS				10.8	10.3
Combined Uncertainty (coverage factor=2)		Normal (k=2)				21.6	20.7



SAR-Z Axis at Hotspot x:2.17 y:9.82



SAR Test Report

Report Date : 17-Jan-2009
 By Operator : 123
 Measurement Date : 17-Jan-2009
 Starting Time : 17-Jan-2009 03:25:02 PM
 End Time : 17-Jan-2009 04:44:04 PM
 Scanning Time : xxxx secs

Product Data
 Device Name : AMG-Yageo-5401-leftC
 Serial No. : 70166-888-006B
 Type : Other
 Model : Yageo WLAN 533
 Frequency : 2450.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 30 mm
 Width : 105 mm
 Depth : 30.4 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.136 W/kg
 Power Drift-Finish: 0.129 W/kg
 Power Drift (%) : -4.945
 Picture : C:\alsas\bitmap\AMG-Yageo-533-5401-leftC.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 : 14-Jan-2009
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 48.69 F/m
 Sigma : 5.19 S/m
 Density : 1000.00 kg/cu. m

Probe Data

Name : .E30
 Model : E30
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 16-Jan-2009
 Frequency : 5600.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 3.2
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
 Compression Point: 95.00 mV
 Offset : 1.56 mm

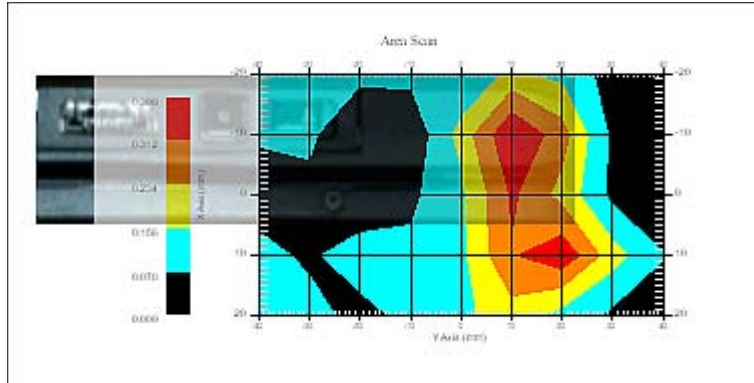
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 15-Jan-2009
 Set-up Time : 11:56:26 AM
 Area Scan : 5x9x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





1 gram SAR value : 0.551 W/kg
 Zoom Scan Peak SAR : 1.501 W/kg





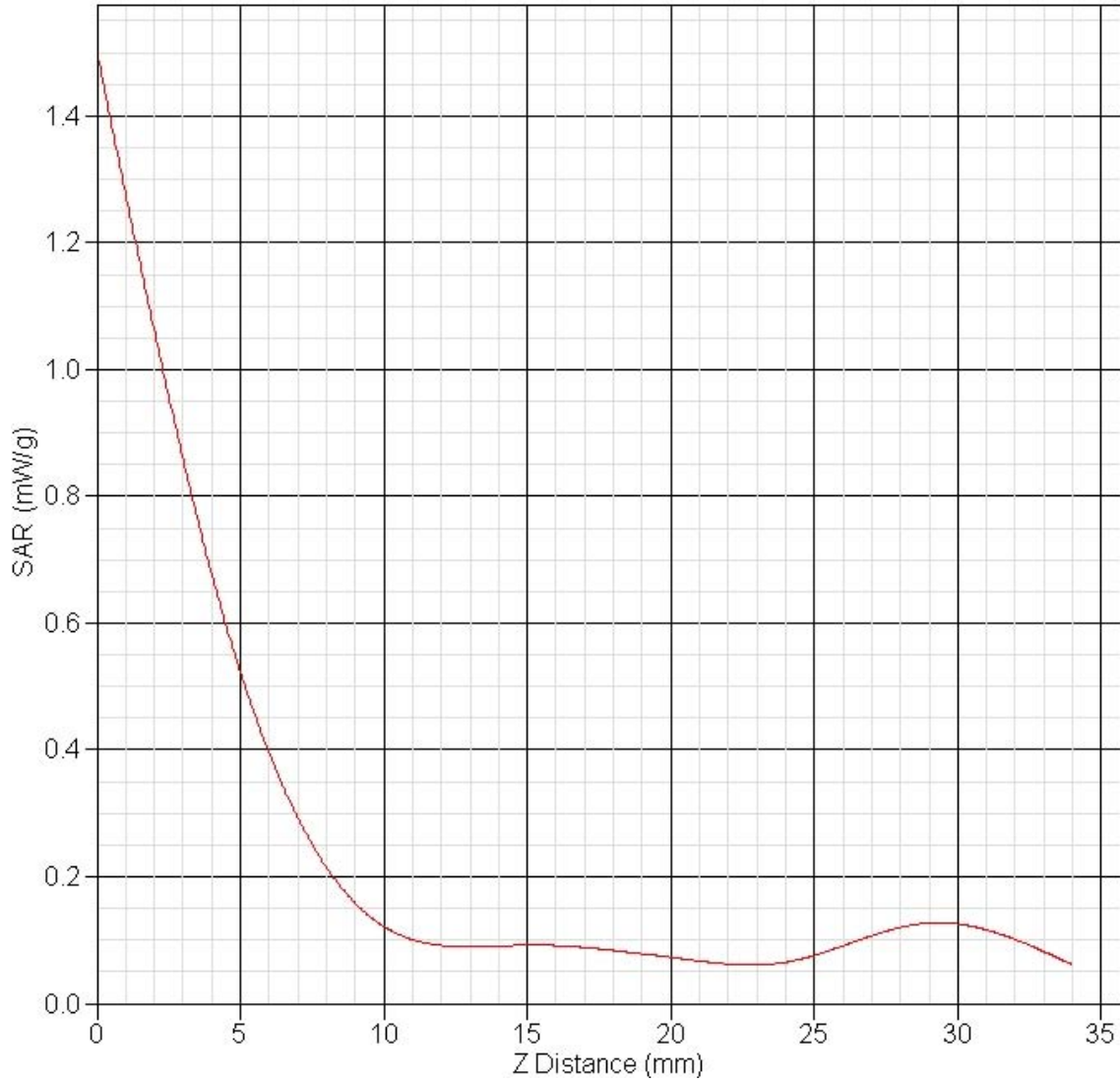
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Exposure Assessment Measurement Uncertainty

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	4.9	rectangular	•3	1	1	2.2	2.2
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2	2
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2	1.4
Liquid Conductivity(meas.)	3.0	normal	1	0.7	0.5	2.1	1.5
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	0.3	0.2
Combined Uncertainty		RSS				10.3	8.7
Combined Uncertainty (coverage factor=2)		Normal (k=2)				20.6	17.4



SAR-Z Axis at Hotspot x:-4.62 y:14.91



SAR Test Report

Report Date : 17-Jan-2009
 By Operator : 123
 Measurement Date : 17-Jan-2009
 Starting Time : 17-Jan-2009 06:15:05 PM
 End Time : 17-Jan-2009 07:32:40 PM
 Scanning Time : xxxx secs

Product Data
 Device Name : AMG-Yageo-5401-leftC
 Serial No. : 70166-888-006B
 Type : Other
 Model : Yageo WLAN 533
 Frequency : 2450.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 30 mm
 Width : 105 mm
 Depth : 30.4 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.051 W/kg
 Power Drift-Finish: 0.053 W/kg
 Power Drift (%) : 3.971
 Picture : C:\alsas\bitmap\AMG-Yageo-533-5401-leftC.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 : 14-Jan-2009
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 48.69 F/m
 Sigma : 5.19 S/m
 Density : 1000.00 kg/cu. m

Probe Data

Name : .E30
 Model : E30
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 16-Jan-2009
 Frequency : 5600.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 3.2
 Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
 Compression Point: 95.00 mV
 Offset : 1.56 mm

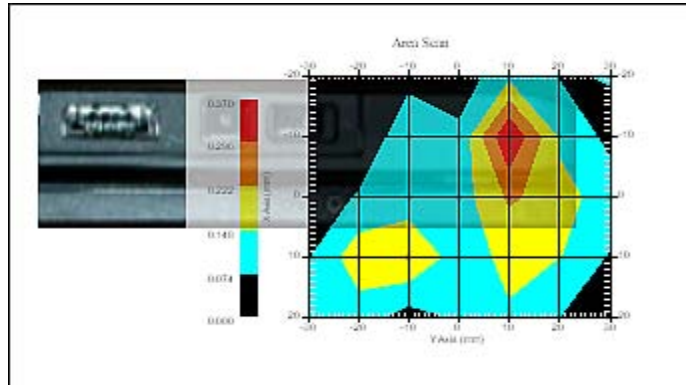
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 15-Jan-2009
 Set-up Time : 11:56:26 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High





1 gram SAR value : 0.334 W/kg
 Zoom Scan Peak SAR : 1.040 W/kg





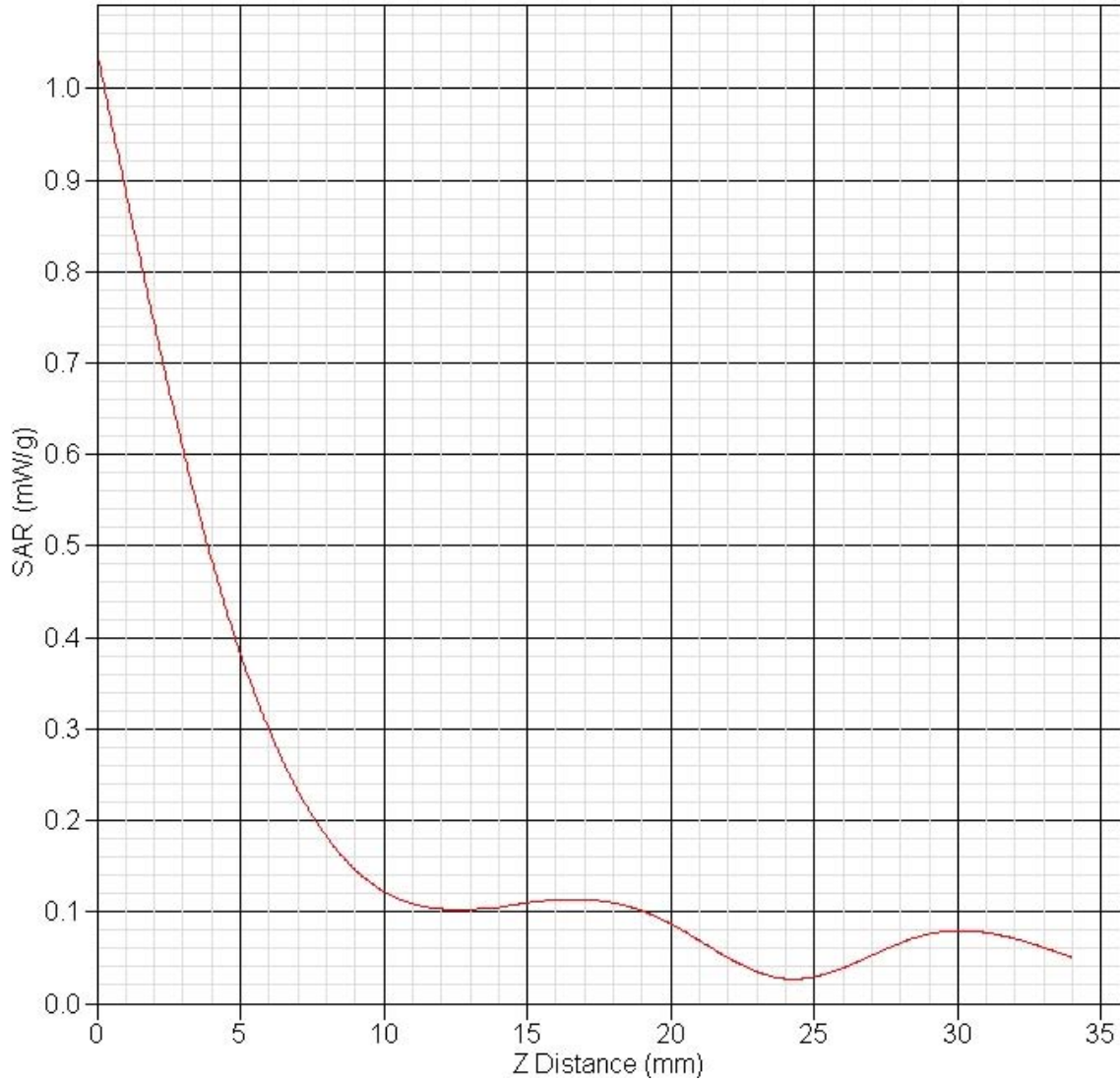
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Exposure Assessment Measurement Uncertainty

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	4.0	rectangular	•3	1	1	2.3	2.3
Phantom and Setup							
Phantom Uncertainty (shape & thickness tolerance)	3.4	rectangular	•3	1	1	2.0	2.0
Liquid Conductivity (target)	5.0	rectangular	•3	0.7	0.5	2.0	1.4
Liquid Conductivity (meas.)	3.0	normal	1	0.7	0.5	2.1	1.5
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	0.3	0.2
Combined Uncertainty		RSS				9.7	9.5
Combined Uncertainty (coverage factor=2)		Normal (k=2)				19.5	19.0



SAR-Z Axis at Hotspot x:-4.69 y:14.91



SAR Test Report

Report Date : 18-Jan-2009
 By Operator : 123
 Measurement Date : 18-Jan-2009
 Starting Time : 18-Jan-2009 12:15:40 PM
 End Time : 18-Jan-2009 01:33:09 PM
 Scanning Time : xxxx secs

Product Data

Device Name : AMG-Yageo-5401-leftC
 Serial No. : 70166-888-006B
 Type : Other
 Model : Yageo WLAN 533
 Frequency : 5500.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 30 mm
 Width : 105 mm
 Depth : 30.4 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.040 W/kg
 Power Drift-Finish: 0.041 W/kg
 Power Drift (%) : 1.342
 Picture : C:\alsas\bitmap\AMG-Yageo-533-5401-leftC.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 : 15-Jan-2009
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 47.44 F/m
 Sigma : 5.78 S/m
 Density : 1000.00 kg/cu. m

Probe Data

Name : .E30
 Model : E30
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 16-Jan-2009
 Frequency : 5600.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 3.0
 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

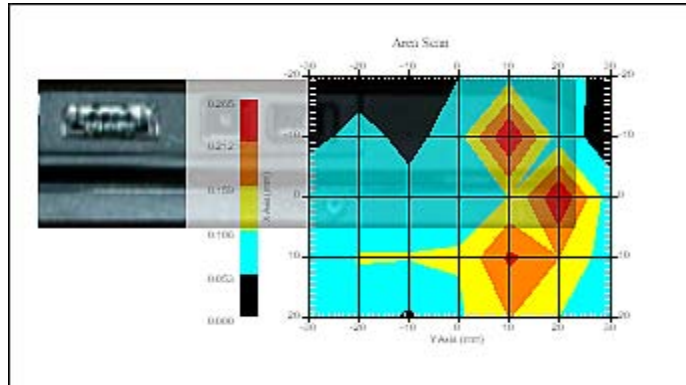
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 15-Jan-2009
 Set-up Time : 11:56:26 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





1 gram SAR value : 0.332 W/kg
 Zoom Scan Peak SAR : 1.140 W/kg

Multi Peak Assessment SAR value > 2dB





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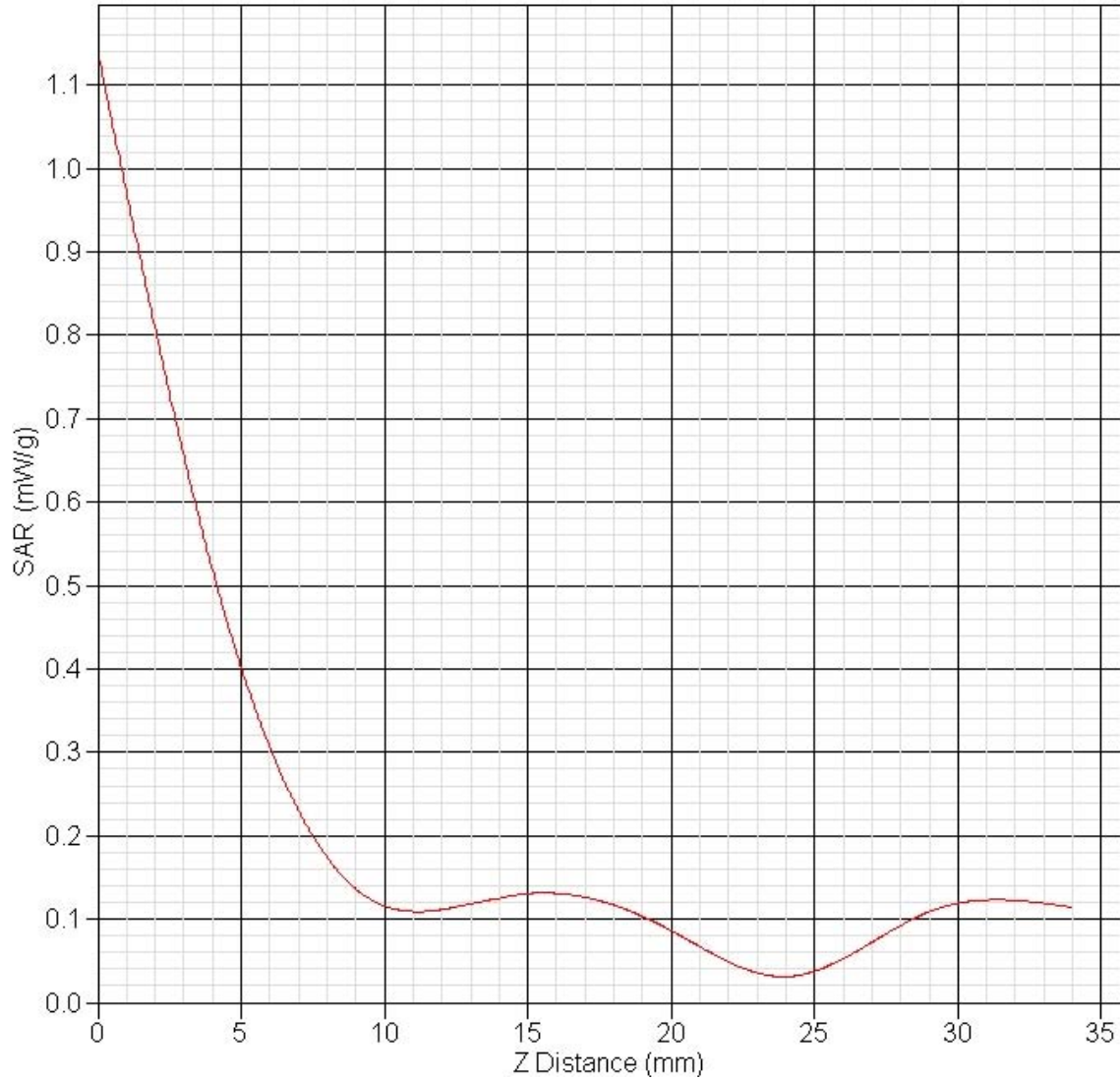
Exposure Assessment Measurement Uncertainty

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	1.3	rectangular	•3	1	1	1.2	1.1
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.)	1.4	normal	1	0.7	0.5	1.2	0.9
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	0.9	0.6
Combined Uncertainty		RSS				9.0	7.4
Combined Uncertainty (coverage factor=2)		Normal (k=2)				18.0	14.8



SAR-Z Axis

at Hotspot x:-4.65 y:14.90



SAR Test Report

Report Date : 18-Jan-2009
 By Operator : 123
 Measurement Date : 18-Jan-2009
 Starting Time : 18-Jan-2009 02:11:03 PM
 End Time : 18-Jan-2009 03:28:33 PM
 Scanning Time : xxxx secs

Product Data
 Device Name : AMG-Yageo-5401-leftC
 Serial No. : 70166-888-006B
 Type : Other
 Model : Yageo WLAN 533
 Frequency : 2450.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 30 mm
 Width : 105 mm
 Depth : 30.4 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.044 W/kg
 Power Drift-Finish: 0.046 W/kg
 Power Drift (%) : 4.940
 Picture : C:\alsas\bitmap\AMG-Yageo-533-5401-leftC.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 : 15-Jan-2009
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 40.00 RH%
 Epsilon : 47.44 F/m
 Sigma : 5.78 S/m
 Density : 1000.00 kg/cu. m



Probe Data

Name : .E30
 Model : E30
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 16-Jan-2009
 Frequency : 5600.00 MHz
 Duty Cycle Factor: 1
 Conversion Factor: 3.0
 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

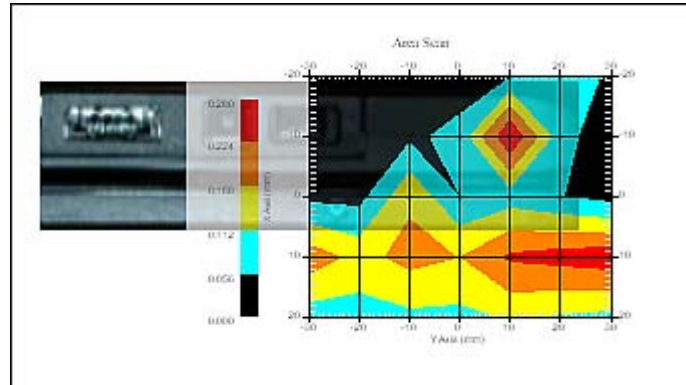
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 15-Jan-2009
 Set-up Time : 11:56:26 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High





1 gram SAR value : 0.364 W/kg
 Zoom Scan Peak SAR : 1.221 W/kg

Multi Peak Assessment SAR value > 2dB





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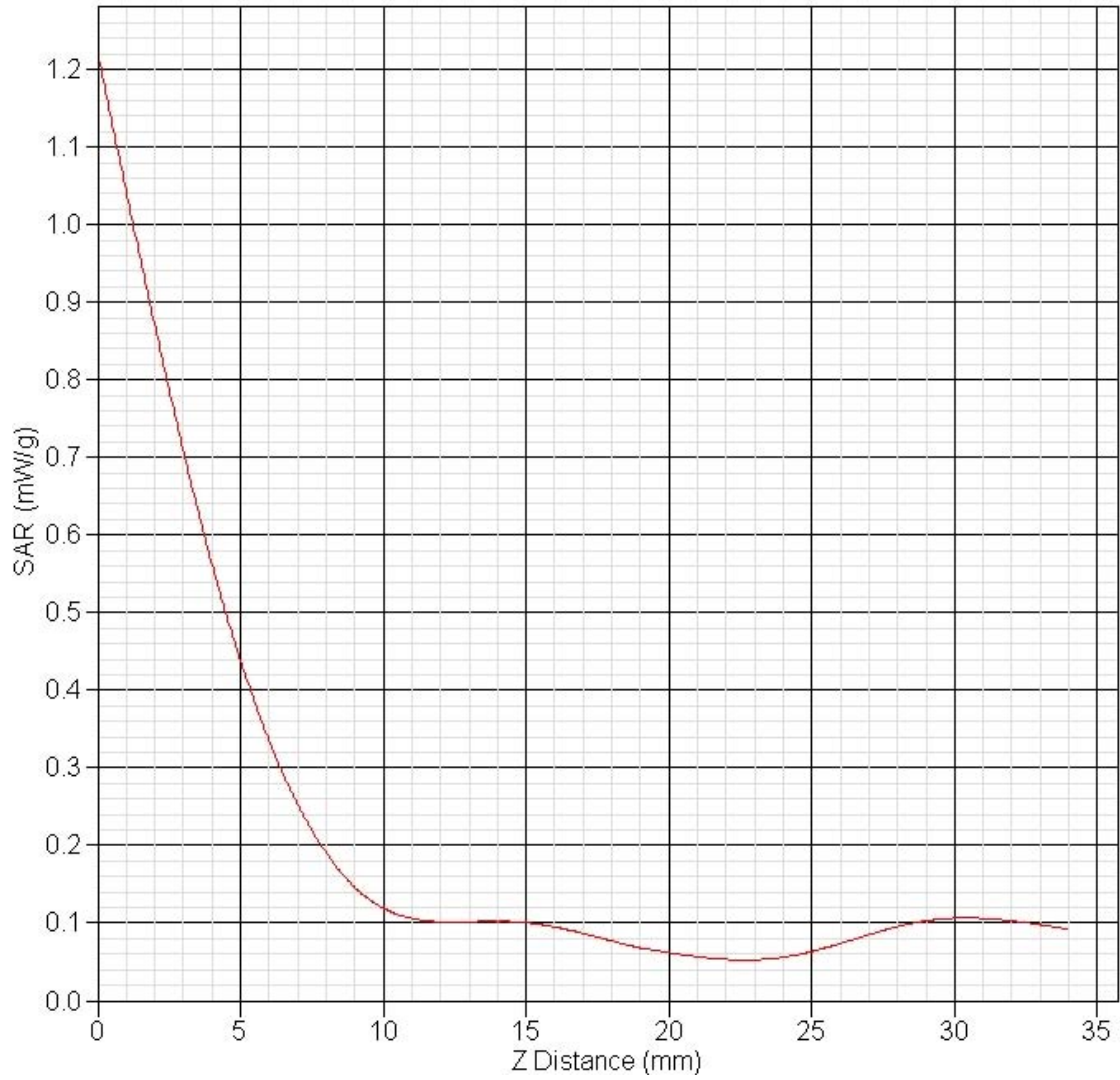
Exposure Assessment Measurement Uncertainty

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	4.9	rectangular	•3	1	1	2.2	2.2
Phantom and Setup							
Phantom Uncertainty (shape & thickness tolerance)	3.4	rectangular	•3	1	1	2	2
Liquid Conductivity (target)	5.0	rectangular	•3	0.7	0.5	2	1.4
Liquid Conductivity (meas.)	1.4	normal	1	0.7	0.5	1.2	0.9
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	0.9	0.6
Combined Uncertainty		RSS				10.0	8.5
Combined Uncertainty (coverage factor=2)		Normal (k=2)				20.0	17.0



SAR-Z Axis

at Hotspot x:-4.87 y:14.87



SAR Test Report

Report Date : 18-Jan-2009
 By Operator : 123
 Measurement Date : 18-Jan-2009
 Starting Time : 18-Jan-2009 03:05:24 AM
 End Time : 18-Jan-2009 04:22:52 AM
 Scanning Time : xxxx secs

Product Data
 Device Name : AMG-Yageo-5401-leftC
 Serial No. : 70166-888-006B
 Type : Other
 Model : Yageo WLAN 533
 Frequency : 2450.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 30 mm
 Width : 105 mm
 Depth : 30.4 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.071 W/kg
 Power Drift-Finish: 0.072 W/kg
 Power Drift (%) : 2.687
 Picture : C:\alsas\bitmap\AMG-Yageo-533-5401-leftC.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 : 15-Jan-2009
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 50.00 RH%
 Epsilon : 46.79 F/m
 Sigma : 6.09 S/m
 Density : 1000.00 kg/cu. m

Probe Data

Name : .E30
 Model : E30
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 16-Jan-2009
 Frequency : 5800.00 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 : 1.56 mm

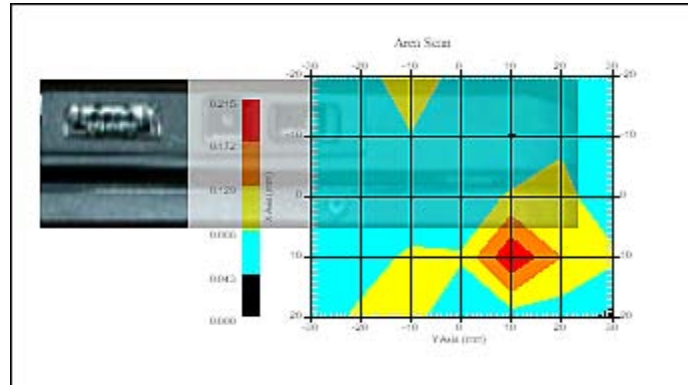
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 15-Jan-2009
 Set-up Time : 11:56:26 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





1 gram SAR value : 0.188 W/kg
 Zoom Scan Peak SAR : 0.540 W/kg





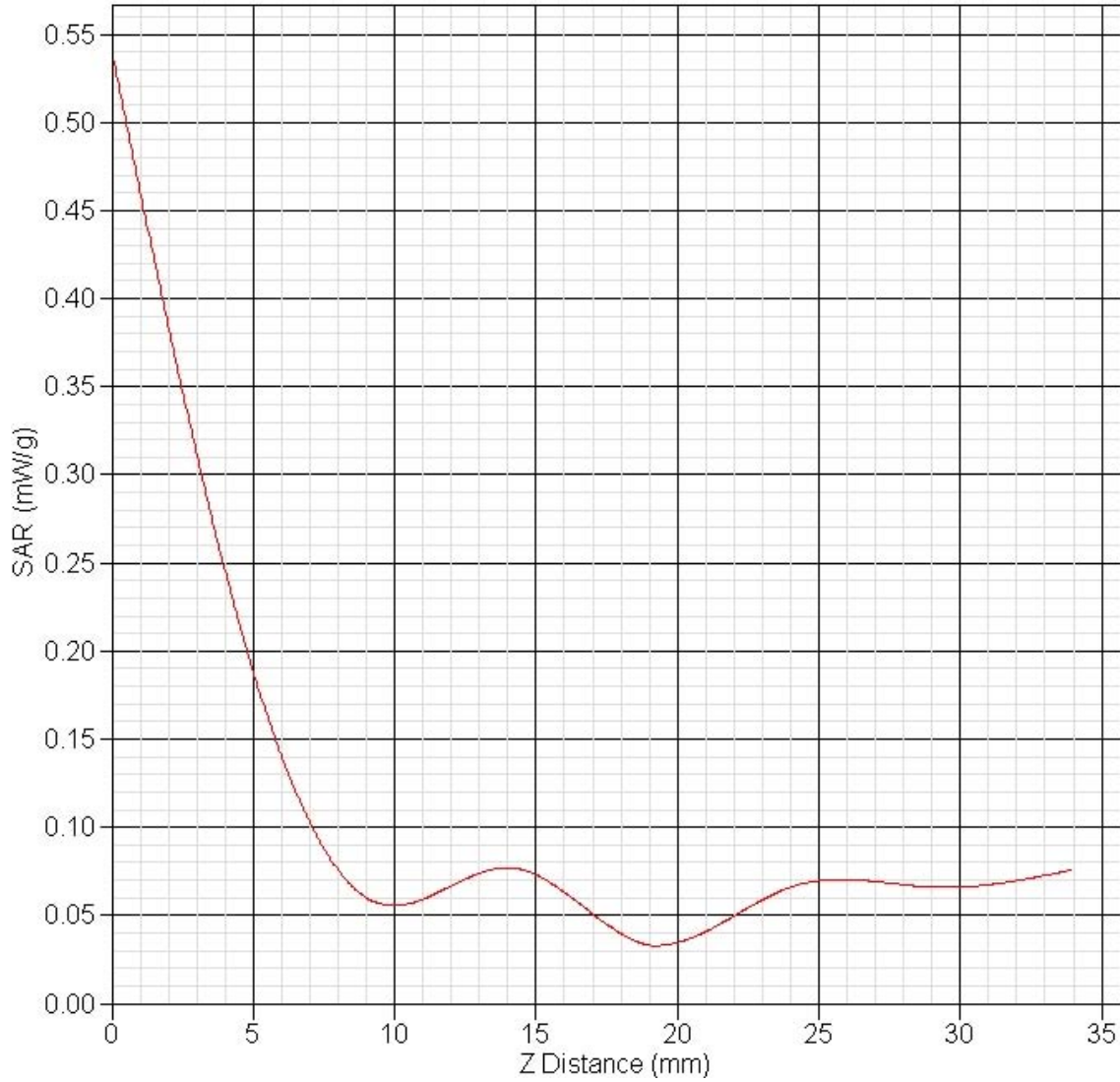
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Exposure Assessment Measurement Uncertainty

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	2
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2	1.4
Liquid Conductivity(meas.)	1.5	normal	1	0.7	0.5	1.1	0.8
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	2.9	normal	1	0.6	0.5	1.8	1.5
Combined Uncertainty		RSS				10.2	8.7
Combined Uncertainty (coverage factor=2)		Normal (k=2)				20.4	17.4



SAR-Z Axis at Hotspot x:5.13 y:19.87



SAR Test Report

Report Date : 18-Jan-2009
 By Operator : 123
 Measurement Date : 18-Jan-2009
 Starting Time : 18-Jan-2009 05:19:01 PM
 End Time : 18-Jan-2009 06:36:30 PM
 Scanning Time : xxxx secs

Product Data
 Device Name : AMG-Yageo-5401-leftC
 Serial No. : 70166-888-006B
 Type : Other
 Model : Yageo WLAN 533
 Frequency : 2450.00 MHz
 Max. Transmit Pwr : 1 W
 Drift Time : 0 min(s)
 Length : 30 mm
 Width : 105 mm
 Depth : 30.4 mm
 Antenna Type : Internal
 Orientation : Touch
 Power Drift-Start : 0.054 W/kg
 Power Drift-Finish: 0.052 W/kg
 Power Drift (%) : -3.689
 Picture : C:\alsas\bitmap\AMG-Yageo-533-5401-leftC.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 : 15-Jan-2009
 Temperature : 20.00 °C
 Ambient Temp. : 20.00 °C
 Humidity : 50.00 RH%
 Epsilon : 46.79 F/m
 Sigma : 6.09 S/m
 Density : 1000.00 kg/cu. m



Probe Data

Name : .E30
 Model : E30
 Type : E-Field Triangle
 Serial No. : 225
 Last Calib. Date : 16-Jan-2009
 Frequency : 5800.00 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 : 1.56 mm

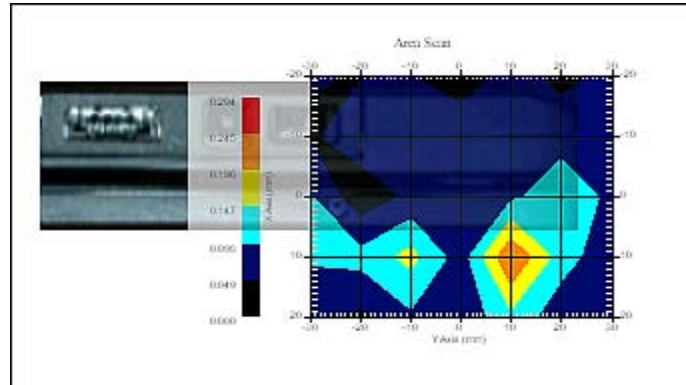
Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 20.00 °C
 Set-up Date : 15-Jan-2009
 Set-up Time : 11:56:26 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=2mm
 Zoom Scan : 9x9x17 : Measurement x=4mm, y=4mm, z=2mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low





1 gram SAR value : 0.180 W/kg
 Zoom Scan Peak SAR : 0.570 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	3.7	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.)	1.5	normal	1	0.7	0.5	1.1	0.8
Liquid Permittivity (target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity (meas.)	2.9	normal	1	0.6	0.5	1.8	1.5
Combined Uncertainty		RSS				10.5	9.0
Combined Uncertainty (coverage factor=2)		Normal (k=2)				21.0	18.0



SAR-Z Axis at Hotspot x:5.16 y:19.84

