

Appendix D: SAR Measurement Data

Data No.	Band	Mode	Test Position	Separation Distance (cm)	Channel	SAR 1g(W/kg)
1	Wifi	802.11b	Body Back of EUT	0	1	0.554
2	Wifi	802.11b	Body landscape of EUT	0	1	0.006
3	Wifi	802.11b	Body Back of EUT	0	6	0.348
4	Wifi	802.11b	Body Back of EUT	0	11	0.258
5	Wifi	802.11 n20M	Body Back of EUT	0	1	0.011
6	Wifi	802.11n 40M	Body Back of EUT	0	3	0.004

Data No. 1:

Report Date : 07-Sep-2011
By Operator : Arno
Measurement Date : 07-Sep-2011
Starting Time : 07-Sep-2011 03:48:15 PM
End Time : 07-Sep-2011 04:18:10 PM
Scanning Time : 1795 secs

Product Data

Device Name : Cloudia multimedia player
Serial No. : NA
Type : multimedia player
Model : Cloudia0701
Frequency : 2412.00 MHz
Max. Transmit Pwr : 0.057 W
Drift Time : 0 min(s)
Length : 145 mm
Width : 210 mm
Depth : 35 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.506 W/kg
Power Drift-Finish: 0.500 W/kg
Power Drift (%) : -1
Picture : C:\alsas\bitmap\Device-17.bmp

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : User Define
Location : Center
Description : Unit phantom

Tissue Data

Type : BODY
Serial No. : 2450_Body
Frequency : 2450.00 MHz
Last Calib. Date : 31-Aug-2011
Temperature : 22.00 °C
Ambient Temp. : 21.90 °C
Humidity : 60.00 RH%
Epsilon : 51.91 F/m
Sigma : 2.01 S/m
Density : 1000.00 kg/cu. m

Probe Data

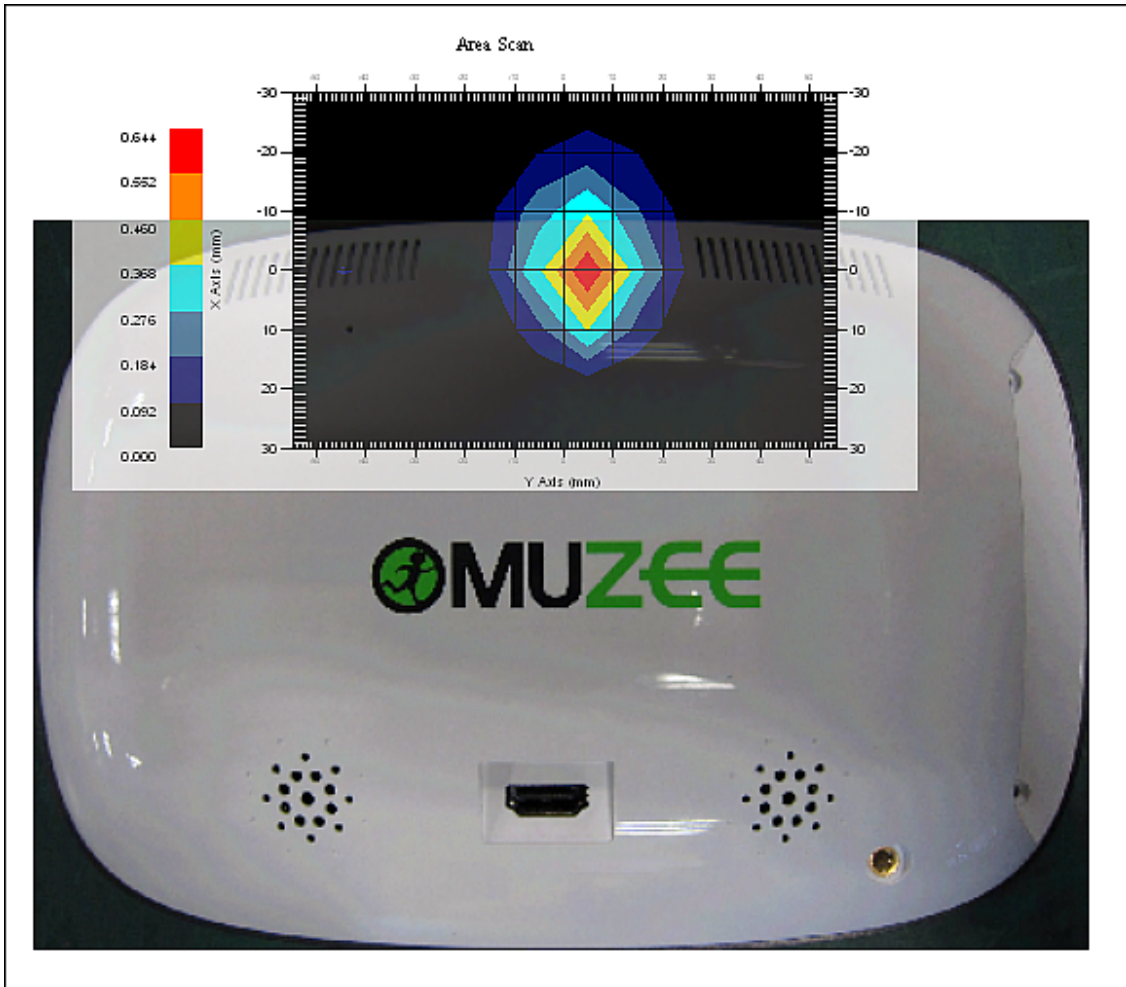
Name : E-field Probe
Model : ALS-E-020
Type : E-Field Triangle
Serial No. : 266
Last Calib. Date : 8-Aug-2011
Frequency : 2450.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 4.55
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 22.00 °C
Ambient Temp. : 21.70 °C
Set-up Date : 07-Sep-2011
Set-up Time : 3:17:43 PM
Area Scan : 7x12x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

Other Data

DUT Position : Touch
Separation : 0
Channel : Low



1 gram SAR value : 0.554 W/kg
10 gram SAR value : 0.216 W/kg
Area Scan Peak SAR : 0.643 W/kg
Zoom Scan Peak SAR : 1.221 W/kg

Data No. 2:

Report Date : 08-Sep-2011
By Operator : Arno
Measurement Date : 08-Sep-2011
Starting Time : 08-Sep-2011 09:11:40 AM
End Time : 08-Sep-2011 09:49:05 AM
Scanning Time : 2245 secs

Product Data

Device Name : Cloudia multimedia player
Serial No. : NA
Type : multimedia player
Model : Cloudia0701
Frequency : 2412.00 MHz
Max. Transmit Pwr : 0.057 W
Drift Time : 0 min(s)
Length : 35 mm
Width : 210 mm
Depth : 145 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.001 W/kg
Power Drift-Finish: 0.000 W/kg
Power Drift (%) : 0.000
Picture : C:\alsas\bitmap\Device-19.bmp

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : User Define
Location : Center
Description : Unit phantom

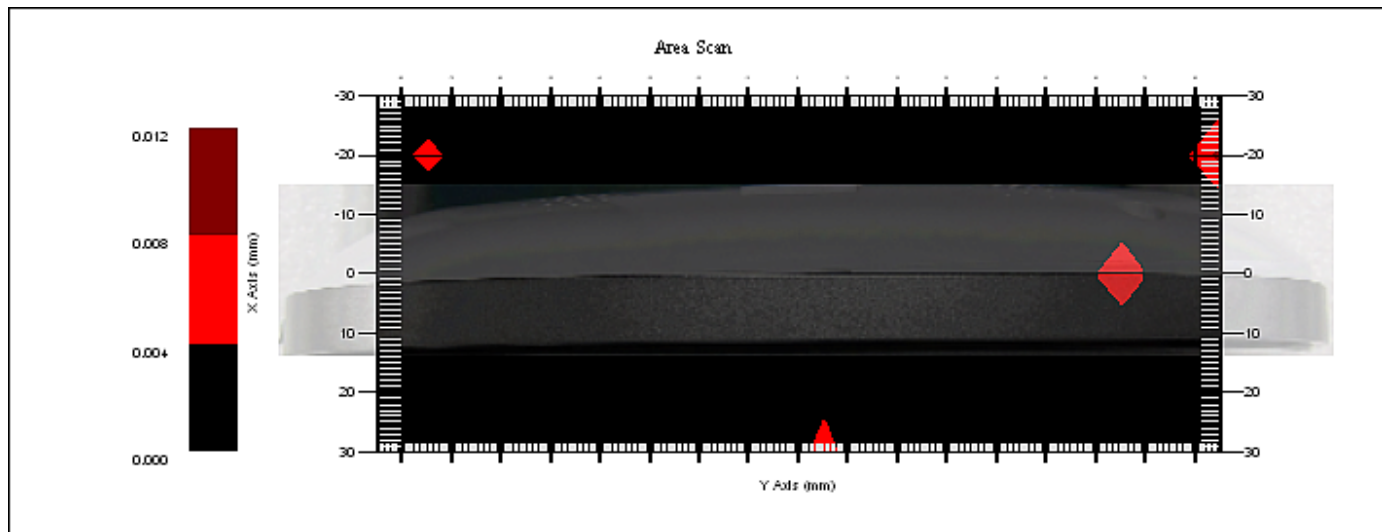
Tissue Data

Type : BODY
Serial No. : 2450_ Body
Frequency : 2450.00 MHz
Last Calib. Date : 31-Aug-2011
Temperature : 22.00 °C
Ambient Temp. : 21.90 °C
Humidity : 60.00 RH%
Epsilon : 51.91 F/m
Sigma : 2.01 S/m
Density : 1000.00 kg/cu. m

Name : E-field Probe
Model : ALS-E-020
Type : E-Field Triangle
Serial No. : 266
Last Calib. Date : 8-Aug-2011
Frequency : 2450.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 4.55
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. : 21.80 °C
Ambient Temp. : 21.00 °C
Set-up Date : 08-Sep-2011
Set-up Time : 4:52:58 PM
Area Scan : 7x18x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

Other Data
DUT Position : Touch
Separation : 0
Channel : Low



1 gram SAR value : 0.006 W/kg
10 gram SAR value : 0.002 W/kg
Area Scan Peak SAR : 0.009 W/kg
Zoom Scan Peak SAR : 0.0010 W/kg

Data No. 3:

Report Date : 08-Sep-2011
By Operator : Arno
Measurement Date : 08-Sep-2011
Starting Time : 08-Sep-2011 10:24:31 AM
End Time : 08-Sep-2011 10:53:47 AM
Scanning Time : 1756 secs

Product Data

Device Name : Cloudia multimedia player
Serial No. : NA
Type : multimedia player
Model : Cloudia0701
Frequency : 2437.00 MHz
Max. Transmit Pwr : 0.051 W
Drift Time : 0 min(s)
Length : 145 mm
Width : 210 mm
Depth : 35 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.277 W/kg
Power Drift-Finish : 0.279 W/kg
Power Drift (%) : 1
Picture : C:\alsas\bitmap\Device-17.bmp

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : User Define
Location : Center
Description : Unit phantom

Tissue Data

Type : BODY
Serial No. : 2450_ Body
Frequency : 2450.00 MHz
Last Calib. Date : 31-Aug-2011
Temperature : 22.00 °C
Ambient Temp. : 21.90 °C
Humidity : 60.00 RH%
Epsilon : 51.91 F/m
Sigma : 2.01 S/m
Density : 1000.00 kg/cu. m

Probe Data

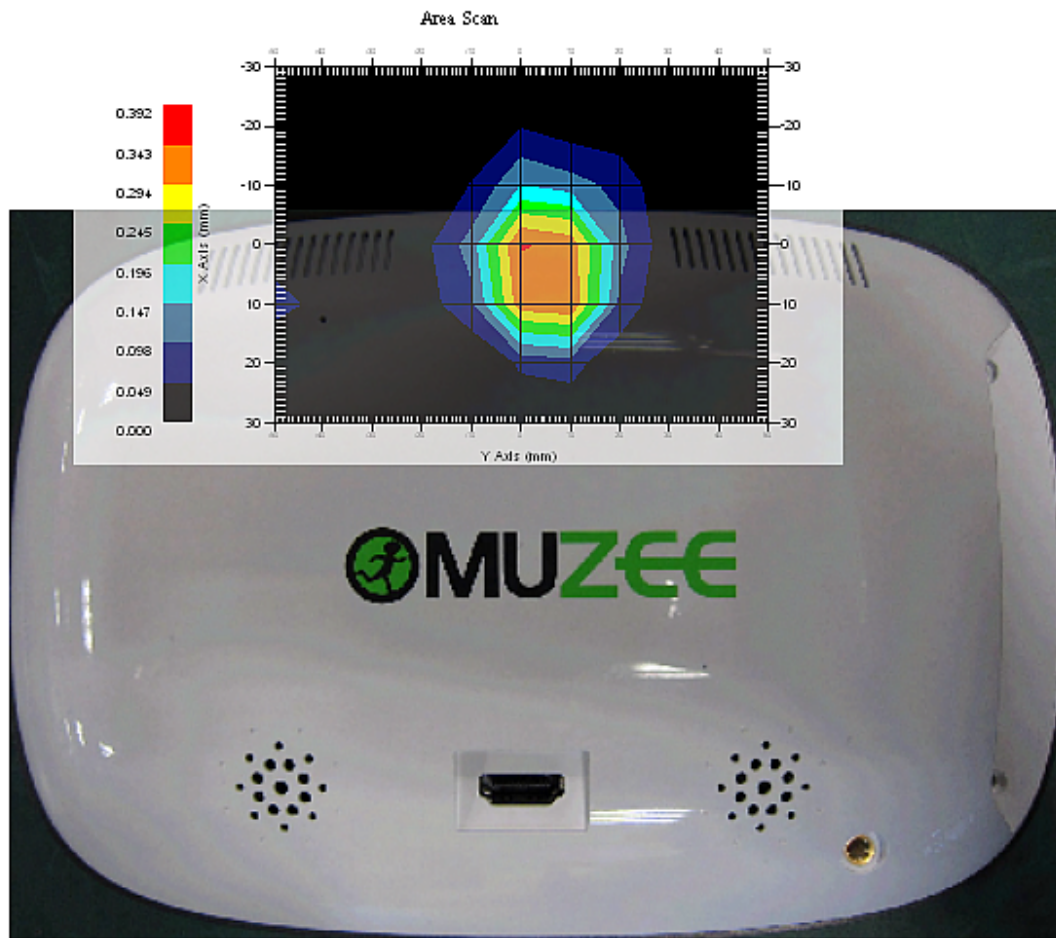
Name : E-field Probe
Model : ALS-E-020
Type : E-Field Triangle
Serial No. : 266
Last Calib. Date : 08-Aug-2011
Frequency : 2450.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 4.55
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 22.00 °C
Ambient Temp. : 21.70 °C
Set-up Date : 08-Sep-2011
Set-up Time : 10:23:55 AM
Area Scan : 7x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

Other Data

DUT Position : Touch
Separation : 0
Channel : Mid



1 gram SAR value : 0.348 W/kg
10 gram SAR value : 0.129 W/kg
Area Scan Peak SAR : 0.346 W/kg
Zoom Scan Peak SAR : 0.770 W/kg

Data No. 4:

Report Date : 08-Sep-2011
By Operator : Arno
Measurement Date : 08-Sep-2011
Starting Time : 08-Sep-2011 10:58:06 AM
End Time : 08-Sep-2011 11:27:24 AM
Scanning Time : 1758 secs

Product Data

Device Name : Cloudia multimedia player
Serial No. : NA
Type : multimedia player
Model : Cloudia0701
Frequency : 2462.00 MHz
Max. Transmit Pwr : 0.050 W
Drift Time : 0 min(s)
Length : 145 mm
Width : 210 mm
Depth : 35 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.193 W/kg
Power Drift-Finish: 0.195 W/kg
Power Drift (%) : 1.1
Picture : C:\alsas\bitmap\Device-17.bmp

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : User Define
Location : Center
Description : Unit phantom

Tissue Data

Type : BODY
Serial No. : 2450_Body
Frequency : 2450.00 MHz
Last Calib. Date : 31-Aug-2011
Temperature : 22.00 °C
Ambient Temp. : 21.90 °C
Humidity : 60.00 RH%
Epsilon : 51.91 F/m
Sigma : 2.01 S/m
Density : 1000.00 kg/cu. m

Probe Data

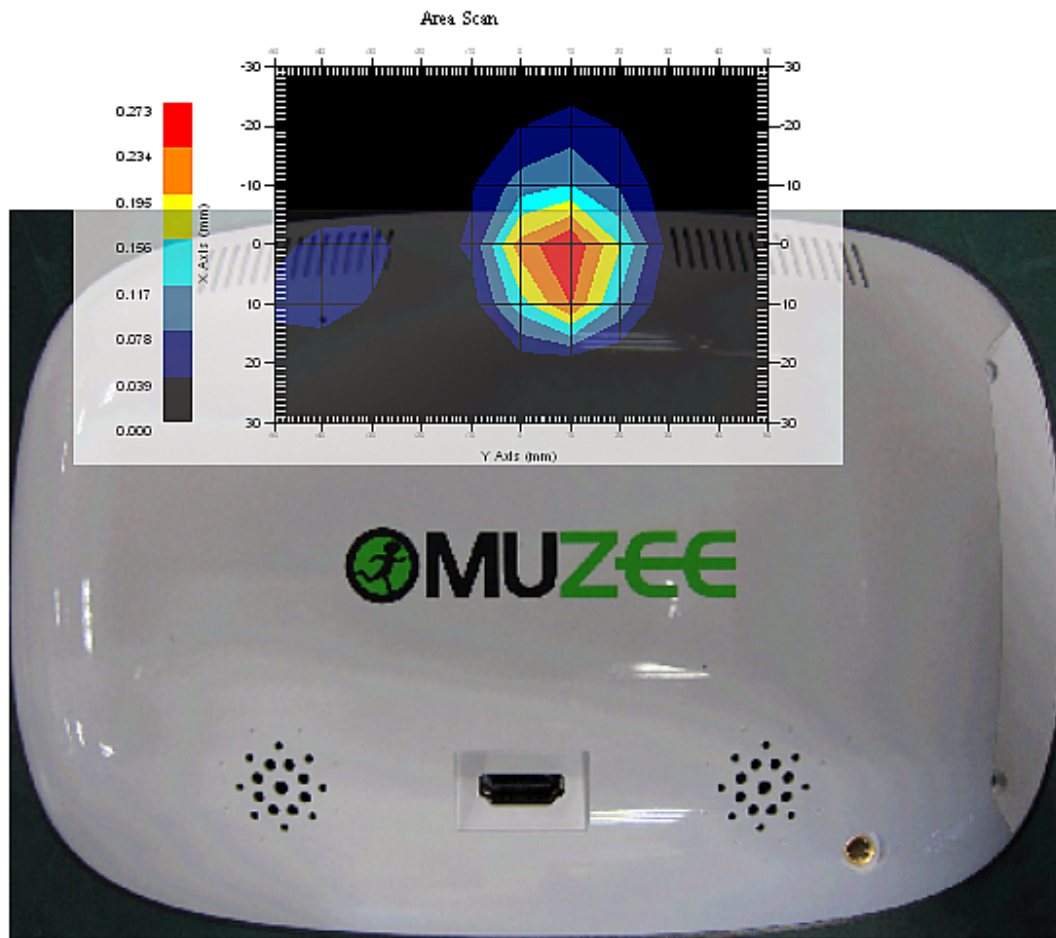
Name : E-field Probe
Model : ALS-E-020
Type : E-Field Triangle
Serial No. : 266
Last Calib. Date : 08-Aug-2011
Frequency : 2450.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 4.55
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 22.00 °C
Ambient Temp. : 21.70 °C
Set-up Date : 08-Sep-2011
Set-up Time : 10:23:55 AM
Area Scan : 7x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

Other Data

DUT Position : Touch
Separation : 0
Channel : High



1 gram SAR value : 0.258 W/kg
10 gram SAR value : 0.095 W/kg
Area Scan Peak SAR : 0.271 W/kg
Zoom Scan Peak SAR : 0.520 W/kg

Data No. 5:

Report Date : 08-Sep-2011
By Operator : Arno
Measurement Date : 08-Sep-2011
Starting Time : 08-Sep-2011 05:22:17 PM
End Time : 08-Sep-2011 05:51:39 PM
Scanning Time : 1762 secs

Product Data

Device Name : Cloudia multimedia player
Serial No. : NA
Type : multimedia player
Model : Cloudia0701
Frequency : 2412.00 MHz
Max. Transmit Pwr : 0.040 W
Drift Time : 0 min(s)
Length : 145 mm
Width : 210 mm
Depth : 35 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.001 W/kg
Power Drift-Finish: 0.000 W/kg
Power Drift (%) : 0.000
Picture : C:\alsas\bitmap\Device-17.bmp

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : User Define
Location : Center
Description : Unit phantom

Tissue Data

Type : BODY
Serial No. : 2450_ Body
Frequency : 2450.00 MHz
Last Calib. Date : 31-Aug-2011
Temperature : 22.00 °C
Ambient Temp. : 21.90 °C
Humidity : 60.00 RH%
Epsilon : 51.91 F/m
Sigma : 2.01 S/m
Density : 1000.00 kg/cu. m

Probe Data

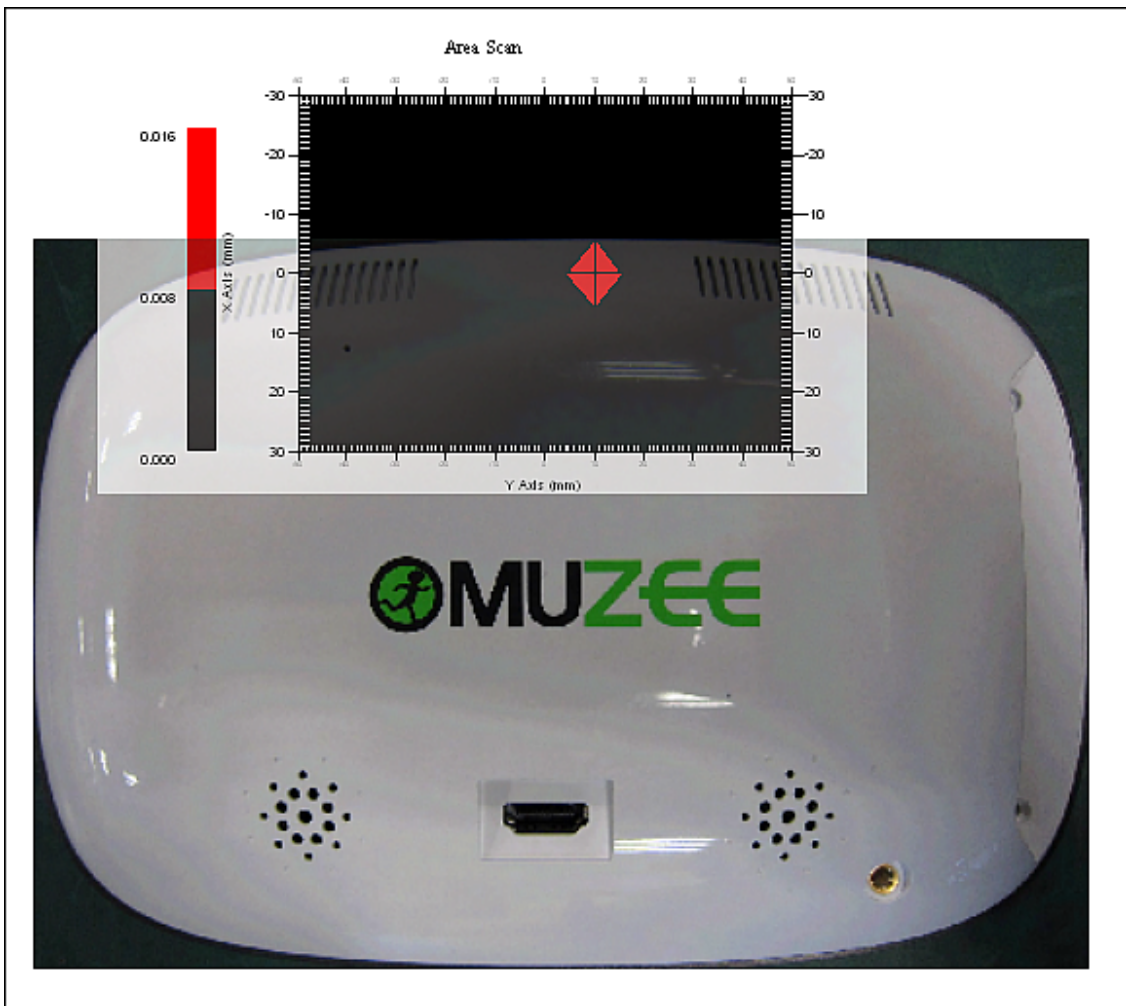
Name : E-field Probe
Model : ALS-E-020
Type : E-Field Triangle
Serial No. : 266
Last Calib. Date : 08-Aug-2011
Frequency : 2450.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 4.55
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 22.00 °C
Ambient Temp. : 21.70 °C
Set-up Date : 08-Sep-2011
Set-up Time : 10:23:55 AM
Area Scan : 7x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

Other Data

DUT Position : Touch
Separation : 0
Channel : Low



1 gram SAR value : 0.011 W/kg
10 gram SAR value : 0.003 W/kg
Area Scan Peak SAR : 0.016 W/kg
Zoom Scan Peak SAR : 0.050 W/kg

Data No. 6:

Report Date : 08-Sep-2011
By Operator : Arno
Measurement Date : 08-Sep-2011
Starting Time : 08-Sep-2011 01:11:05 PM
End Time : 08-Sep-2011 01:40:15 PM
Scanning Time : 1750 secs

Product Data

Device Name : Cloudia multimedia player
Serial No. : NA
Type : multimedia player
Model : Cloudia0701
Frequency : 2422.00 MHz
Max. Transmit Pwr : 0.039 W
Drift Time : 0 min(s)
Length : 145 mm
Width : 210 mm
Depth : 35 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.001 W/kg
Power Drift-Finish : 0.000 W/kg
Power Drift (%) : 0.000
Picture : C:\alsas\bitmap\Device-17.bmp

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : User Define
Location : Center
Description : Unit phantom

Tissue Data

Type : BODY
Serial No. : 2450_Body
Frequency : 2450.00 MHz
Last Calib. Date : 31-Aug-2011
Temperature : 22.00 °C
Ambient Temp. : 21.90 °C
Humidity : 60.00 RH%
Epsilon : 51.91 F/m
Sigma : 2.01 S/m
Density : 1000.00 kg/cu. m

Probe Data

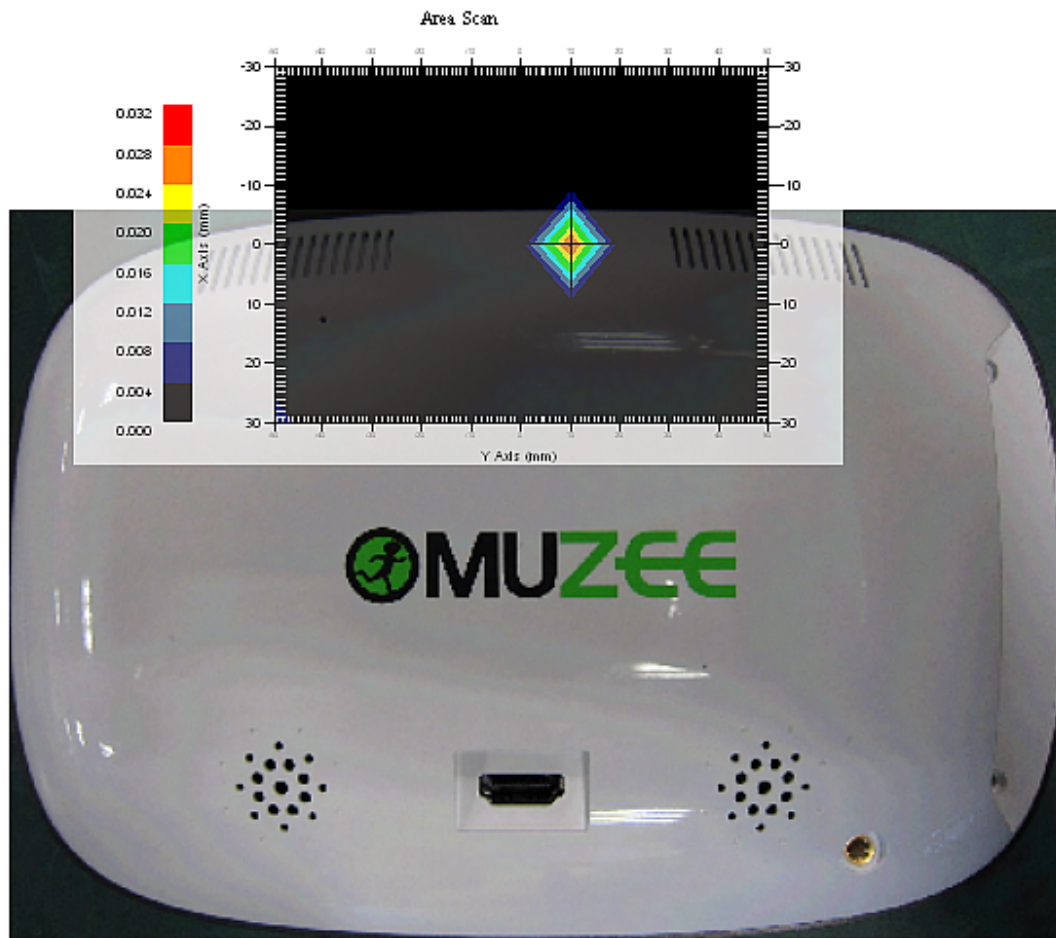
Name : E-field Probe
Model : ALS-E-020
Type : E-Field Triangle
Serial No. : 266
Last Calib. Date : 08-Aug-2011
Frequency : 2450.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 4.55
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 22.00 °C
Ambient Temp. : 21.70 °C
Set-up Date : 08-Sep-2011
Set-up Time : 10:23:55 AM
Area Scan : 7x11x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

Other Data

DUT Position : Touch
Separation : 0
Channel : Low



1 gram SAR value : 0.004 W/kg
10 gram SAR value : 0.001 W/kg
Area Scan Peak SAR : 0.029 W/kg
Zoom Scan Peak SAR : 0.030 W/kg