

Test Information

Date : 2/12/00
Time : 10:29:41 AM

Product : Cellular Phone
Manufacturer : Mitsubishi
Model Number : MT-253
Serial Number : 1234
FCC ID Number : BGBMT254XF0R6A

Test : SAR
Frequency (MHz) : 824
Nominal Output Power (W) : 0.600
Antenna Type : 1/2 Wave
Signal : TDMA

Phantom : Waist
Simulated Tissue : Muscle

Dielectric Constant : 55.6
Conductivity : 0.92

Probe : EI3
Probe Offset (mm) : 3.0
Sensor Factor (mV) : 10.8
Conversion Factor : 0.58
Calibrated Date : 2/19/99

Antenna Position : IN
Measured Power (W) : 0.200
(conducted)
Cable Insertion Loss (dB) : 0.6
Compensated Power (W) : 0.230

Amplifier Setting :
Channel 1 : .00395 Channel 2 : .00439 Channel 3 : .00337

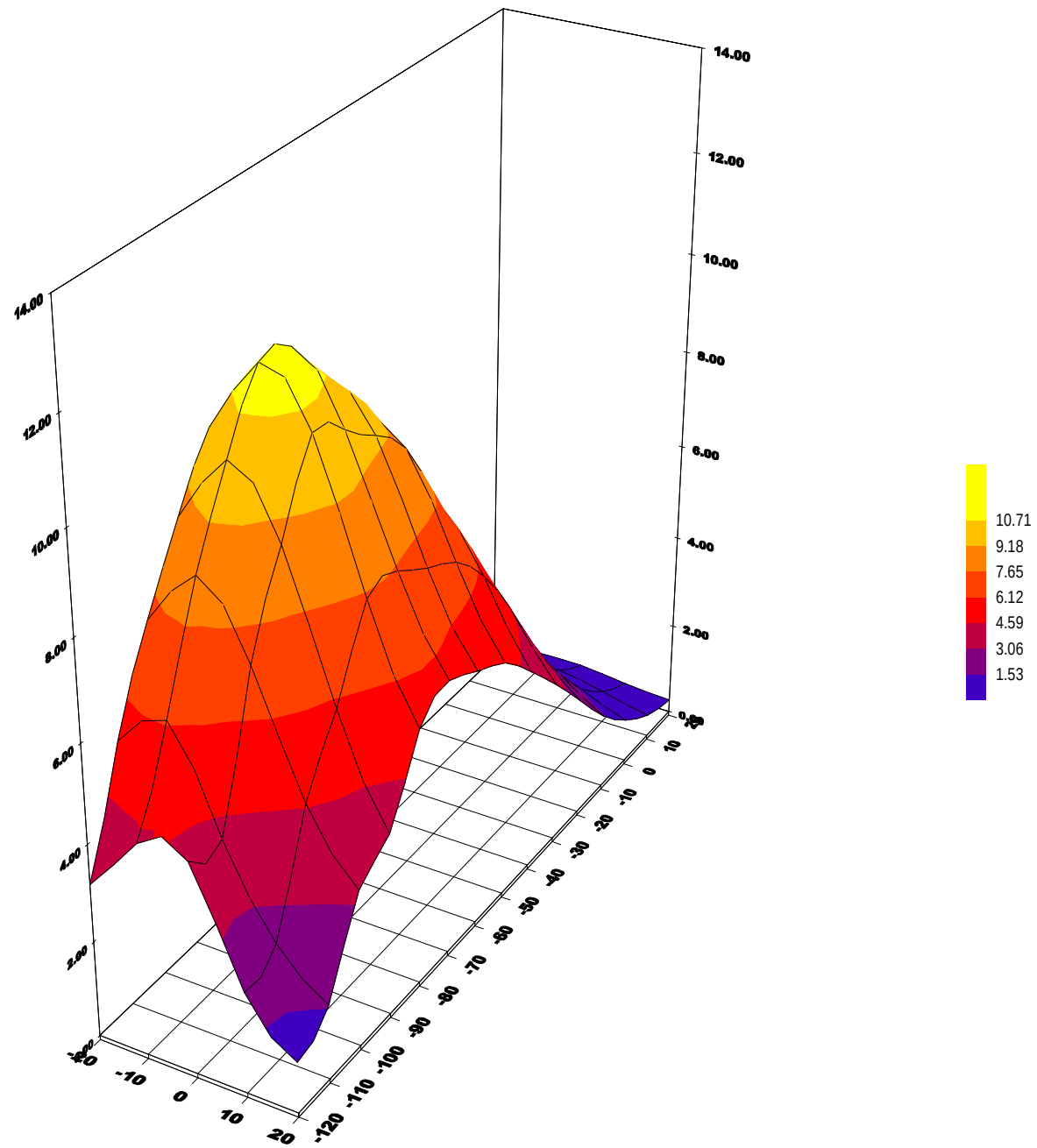
Location of Maximum Field :

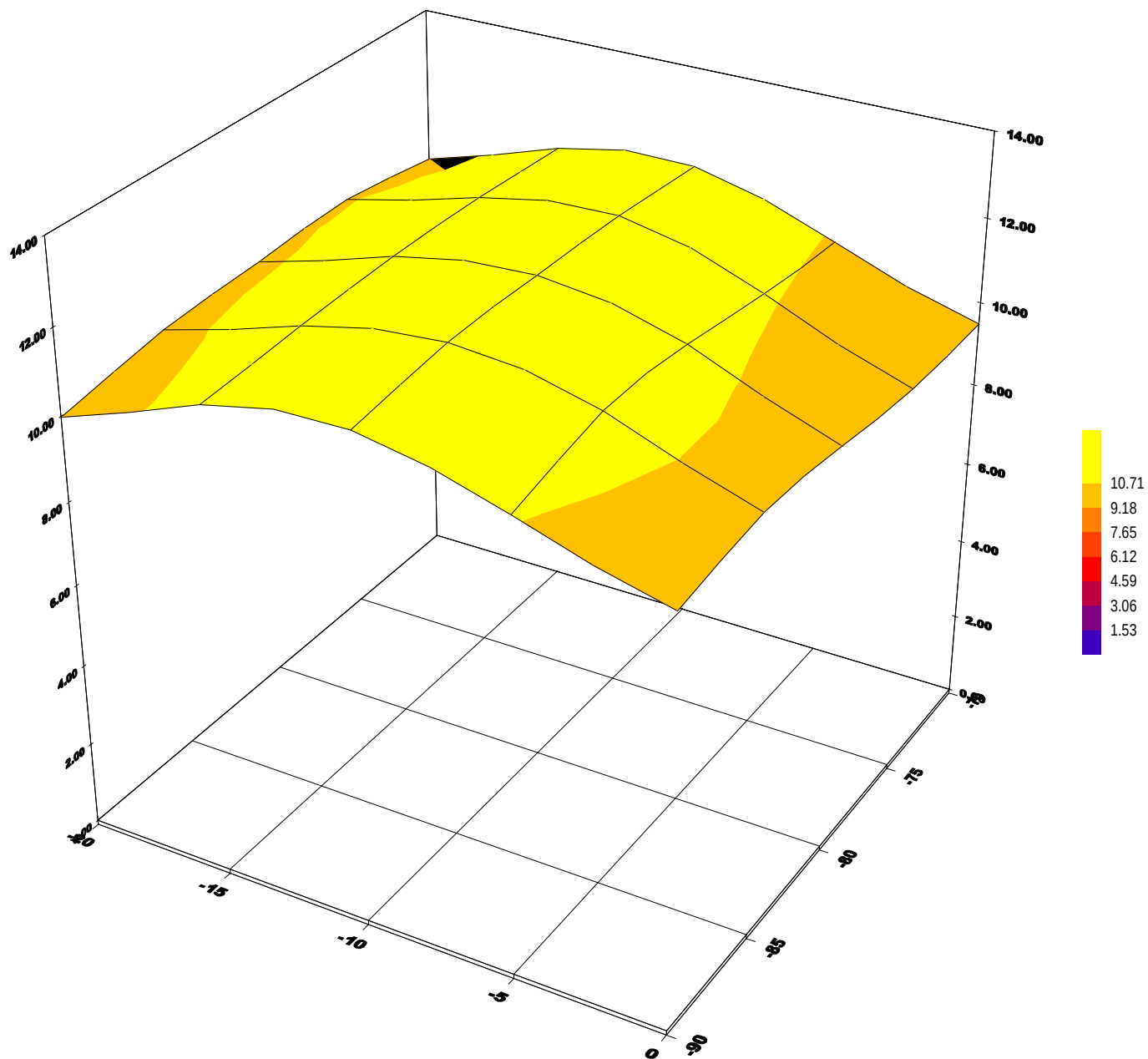
X = -10 Y = -75

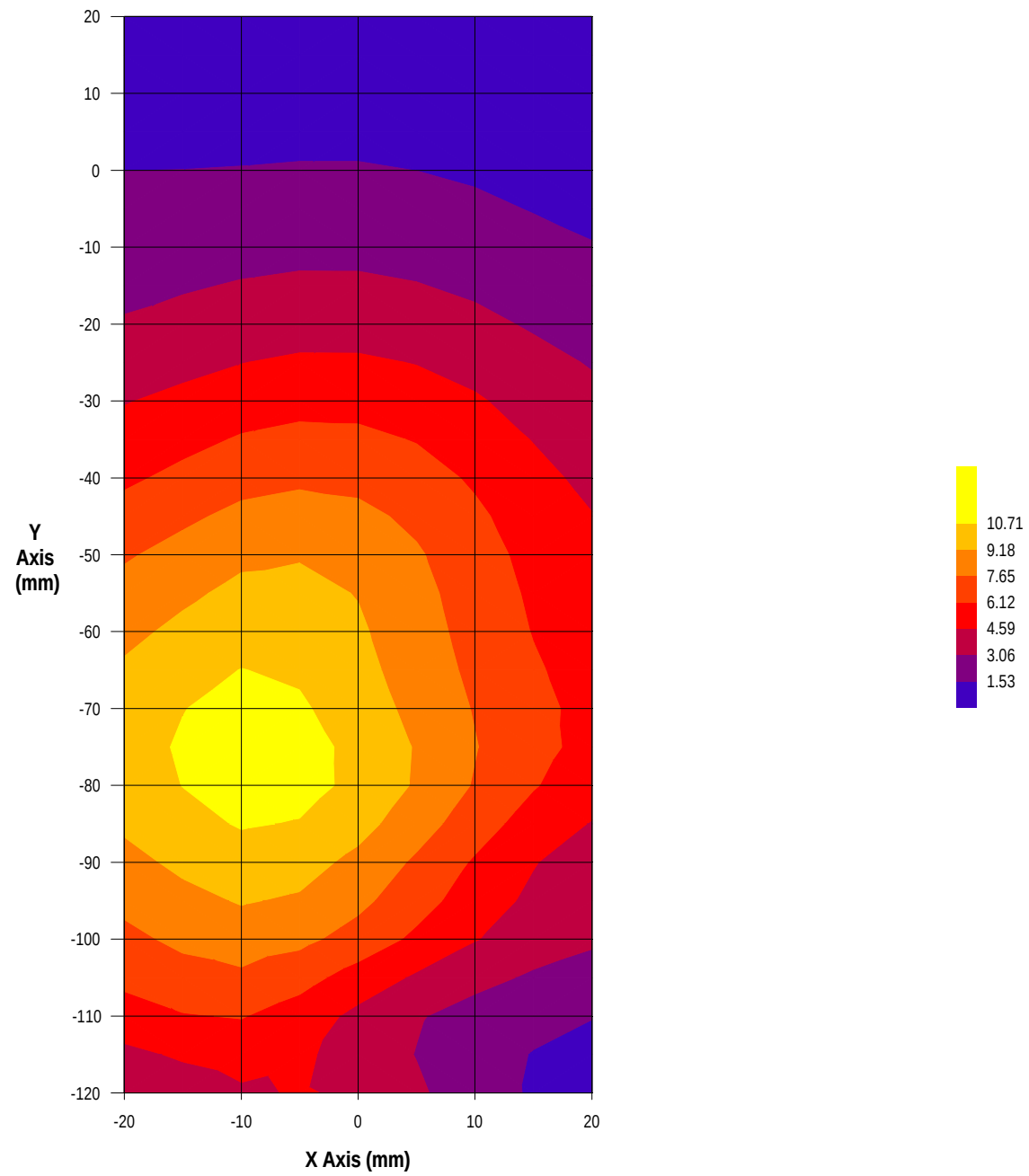
Measured Values (mV) :

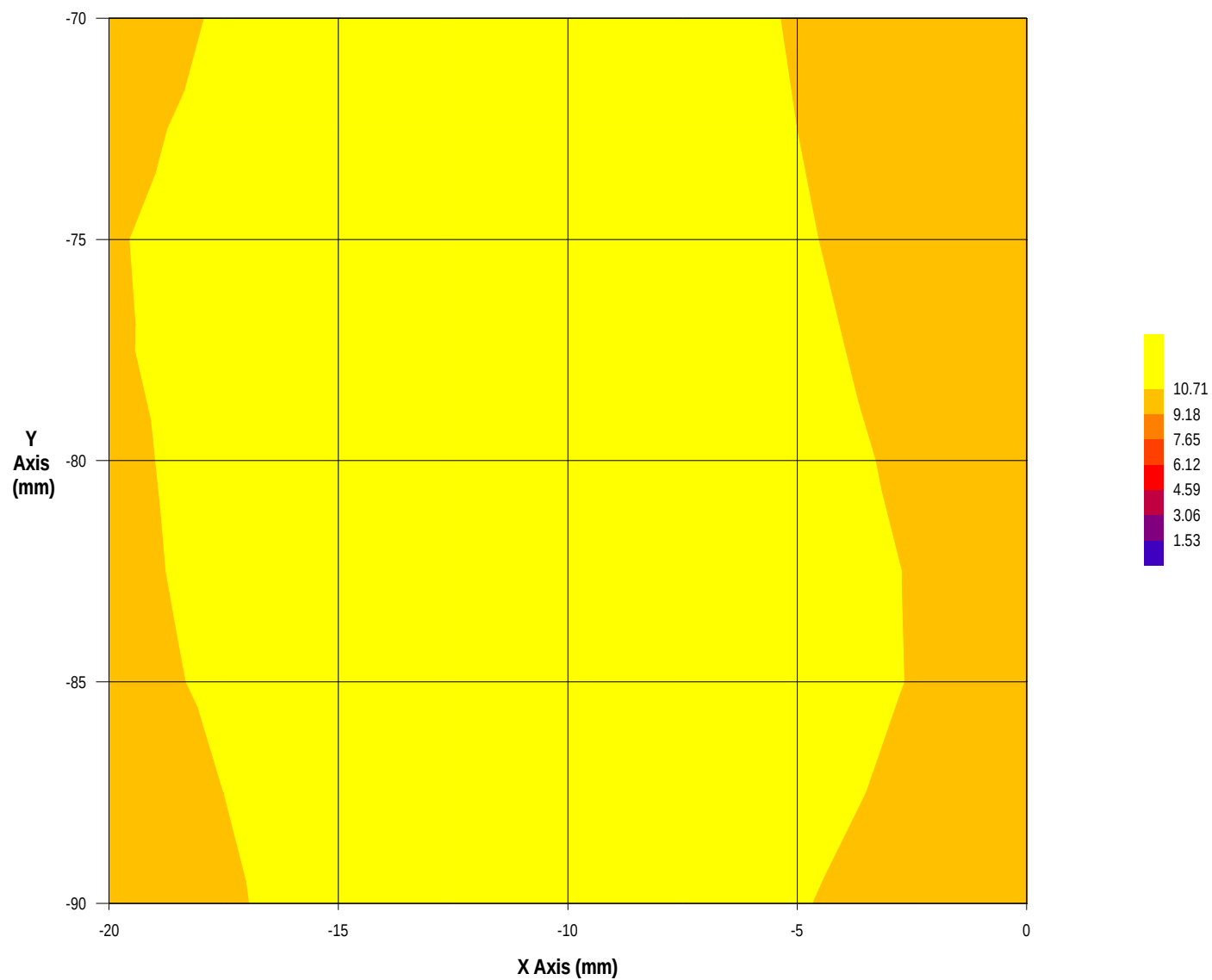
11.80	10.56	9.66	8.71	8.05	7.52
7.05	6.56	6.12	5.70	5.28	

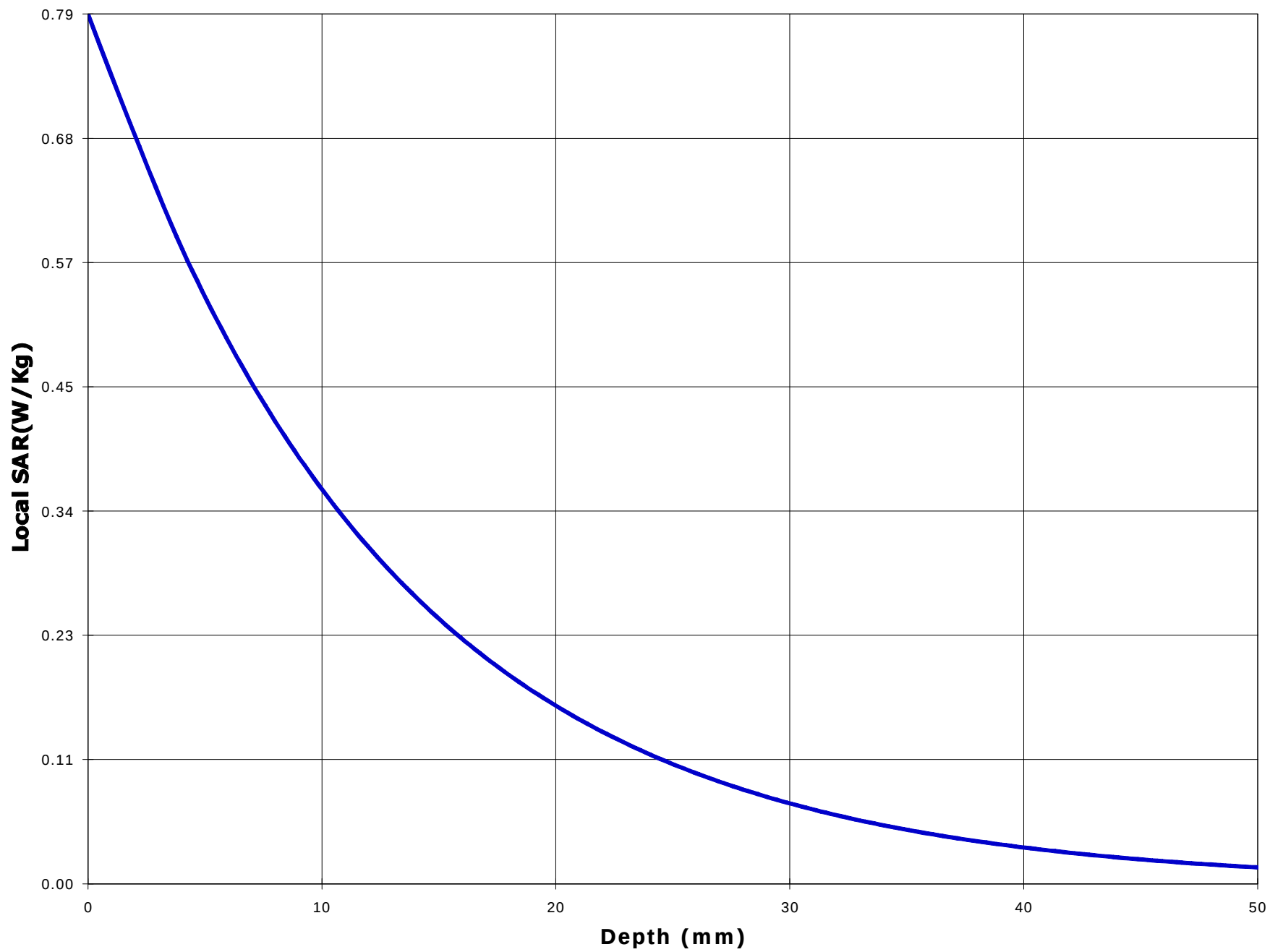
Peak Voltage (mV) : 14.83 1 Cm Voltage (mV) : 6.70 SAR (W/Kg) : 0.55

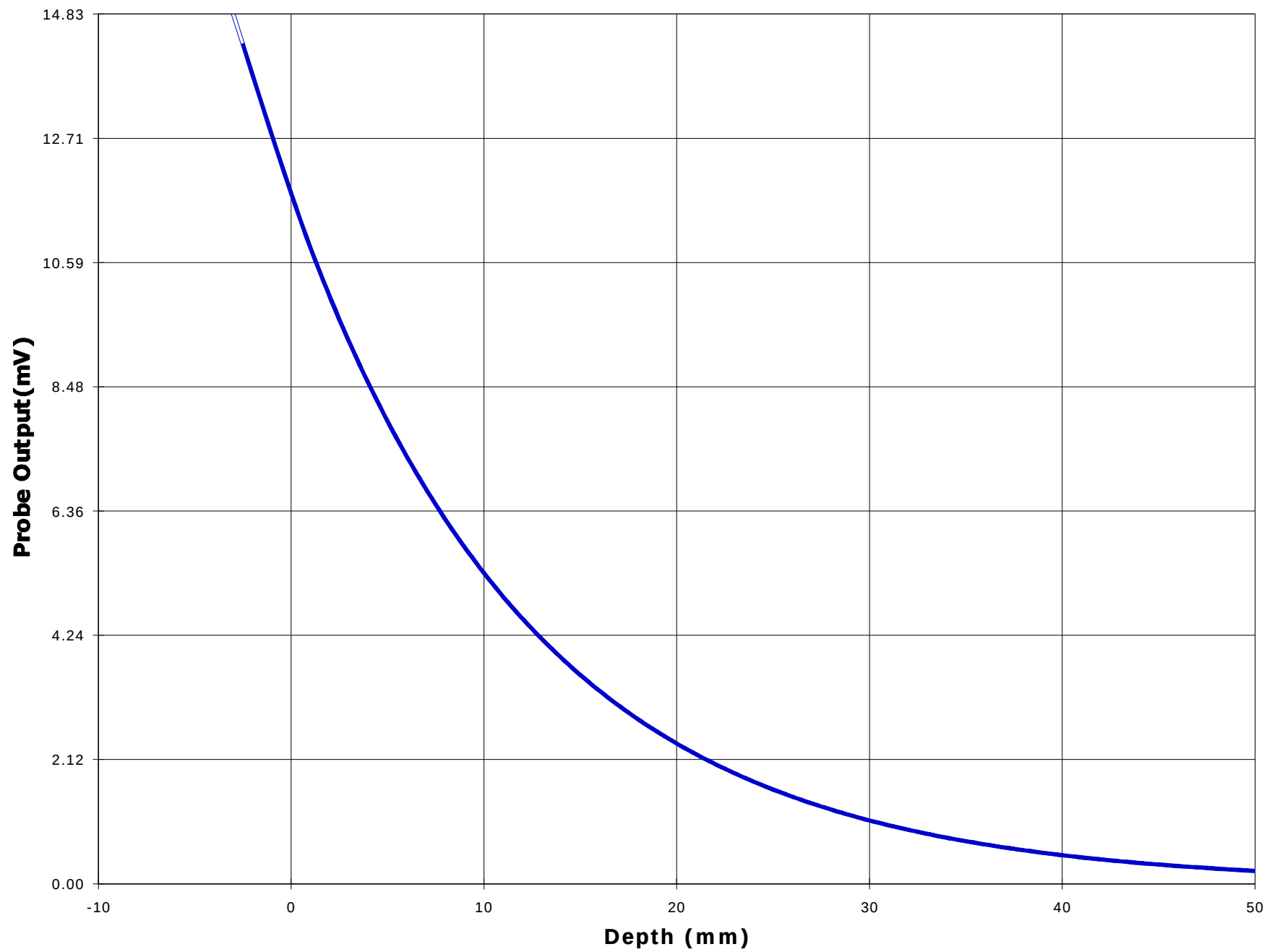












Test Information

Date : 2/12/00
Time : 9:43:05 AM

Product : Cellular Phone
Manufacturer : Mitsubishi
Model Number : MT-253
Serial Number : 1234
FCC ID Number : BGBMT254XF0R6A

Test : SAR
Frequency (MHz) : 837
Nominal Output Power (W) : 0.600
Antenna Type : 1/2 Wave
Signal : TDMA

Phantom : Waist
Simulated Tissue : Muscle

Dielectric Constant : 55.6
Conductivity : 0.92

Probe : EI3
Probe Offset (mm) : 3.0
Sensor Factor (mV) : 10.8
Conversion Factor : 0.58
Calibrated Date : 2/19/99

Antenna Position : IN
Measured Power (W) : 0.200
(conducted)
Cable Insertion Loss (dB) : 0.6
Compensated Power (W) : 0.230

Amplifier Setting :

Channel 1 : .00395 Channel 2 : .00439 Channel 3 : .00337

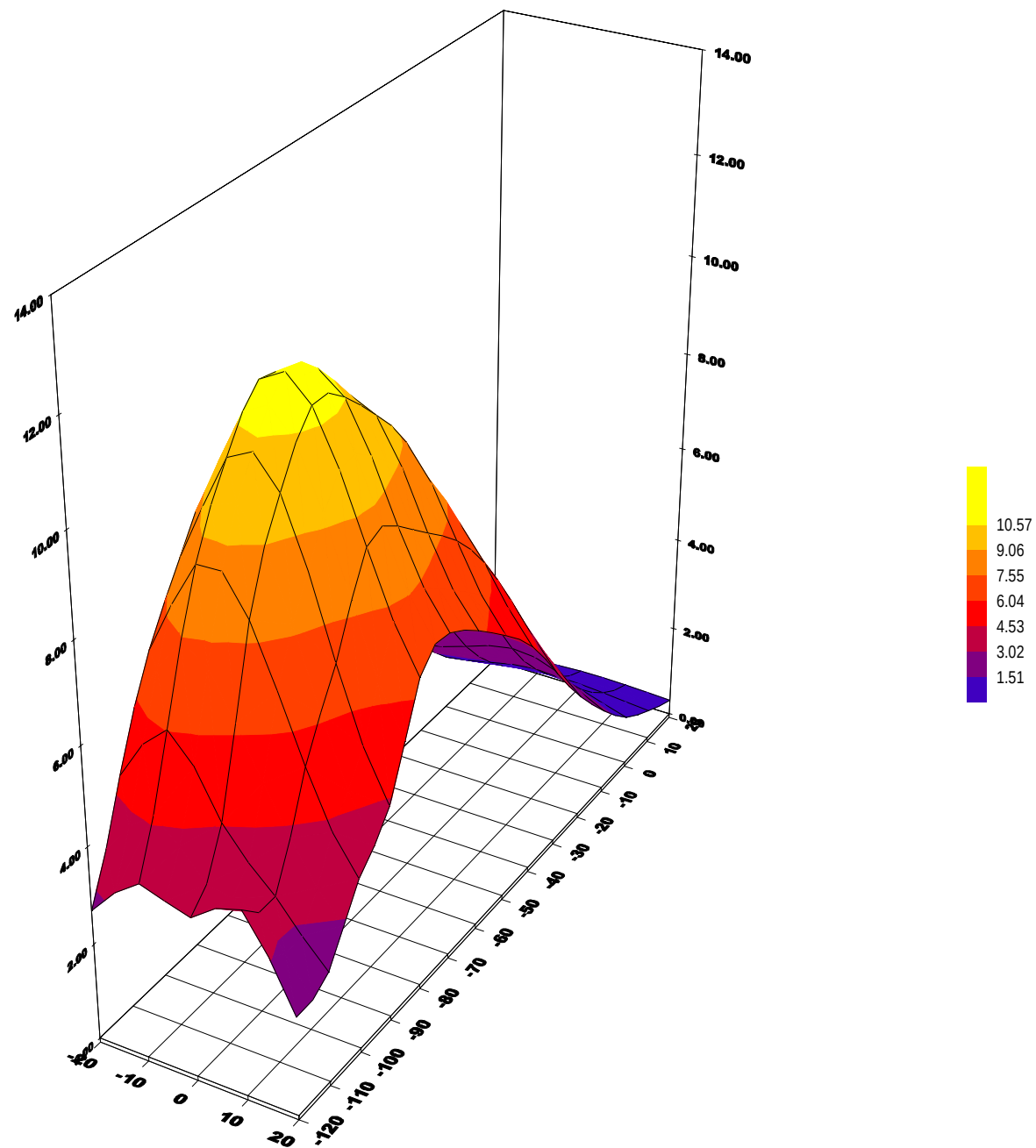
Location of Maximum Field :

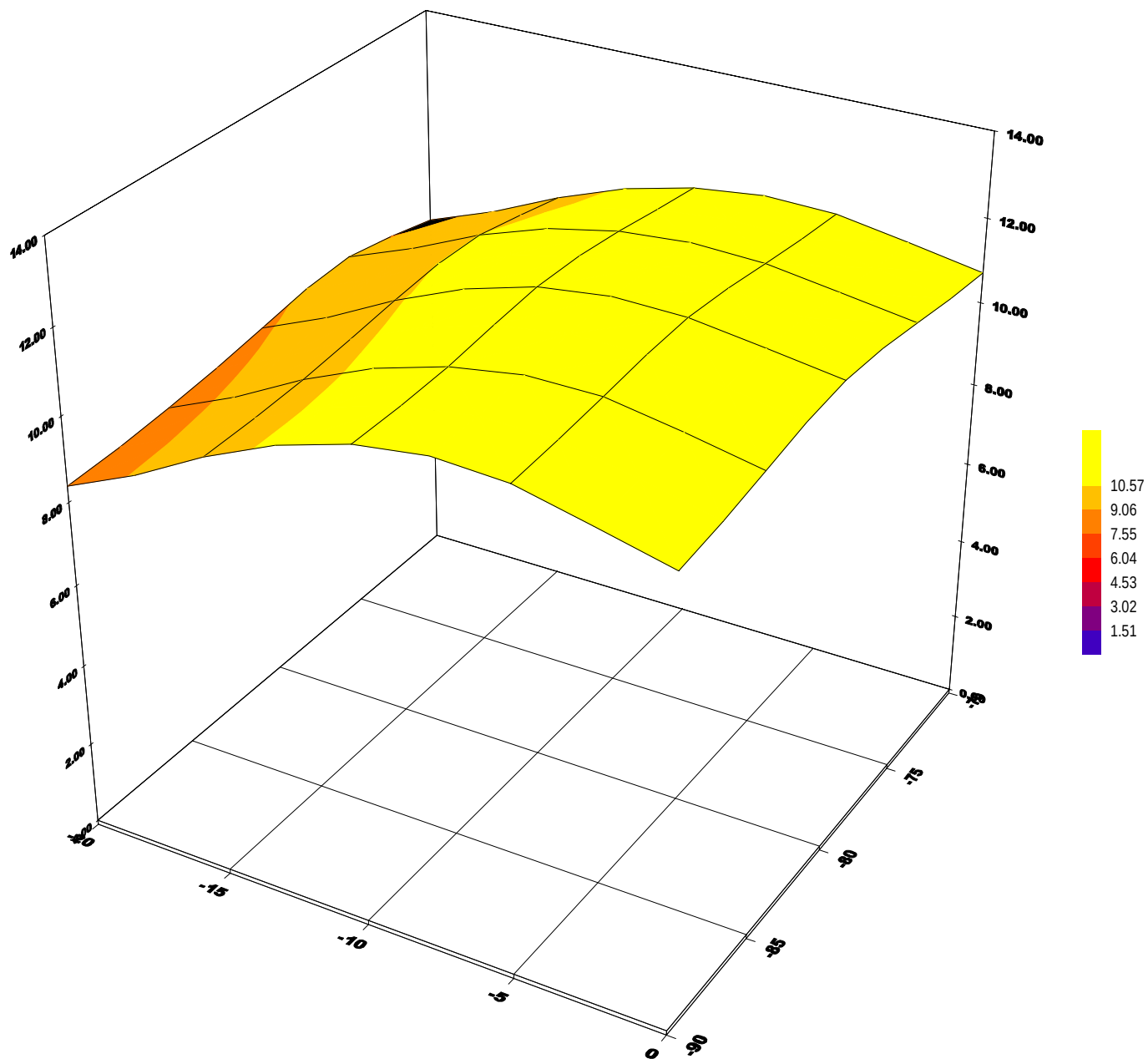
X = -5 Y = -80

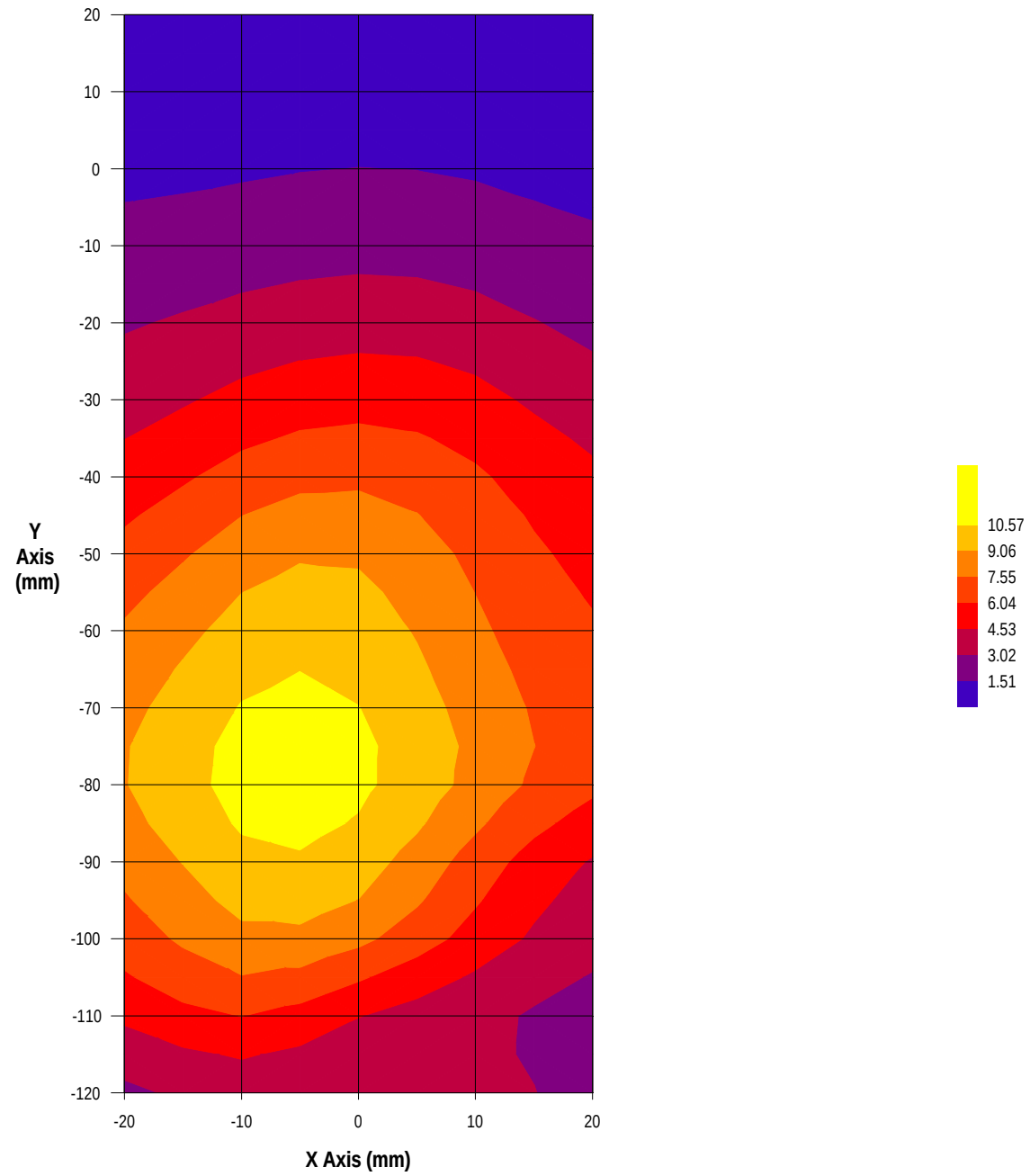
Measured Values (mV) :

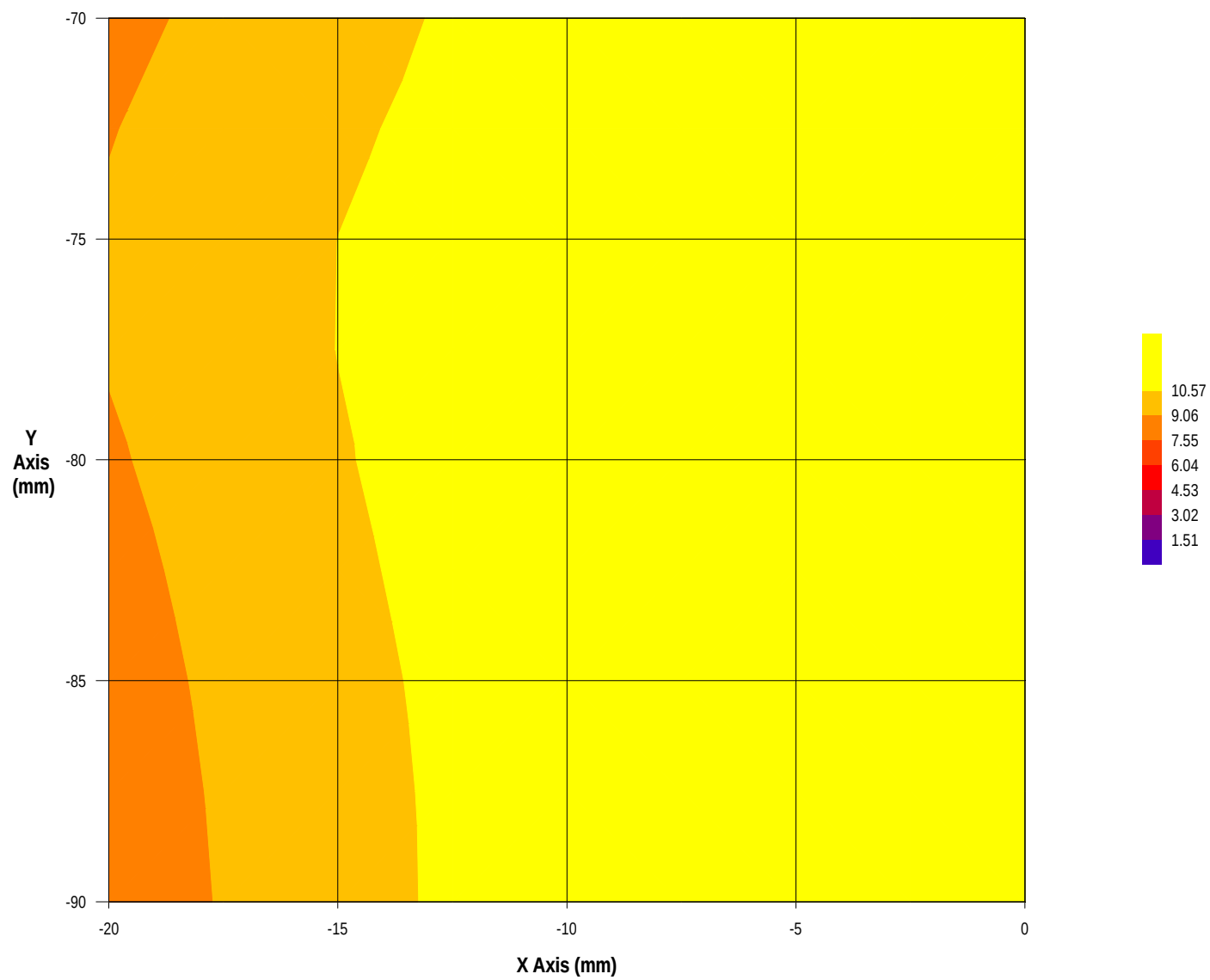
11.91	10.91	9.76	8.86	8.07	7.36
6.78	6.28	5.81	5.42	5.10	

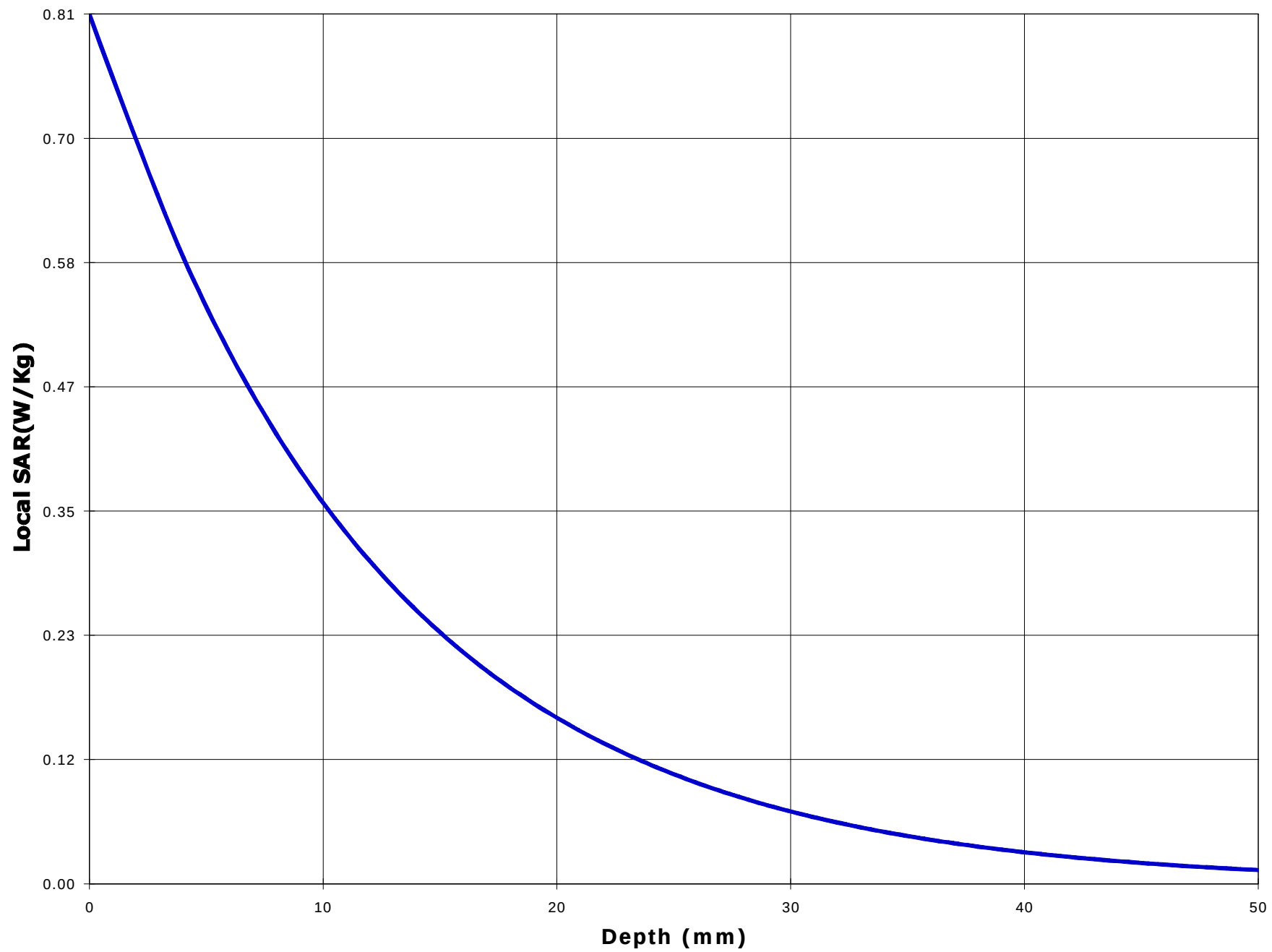
Peak Voltage (mV) : 15.22 1 Cm Voltage (mV) : 6.63 SAR (W/Kg) : 0.54

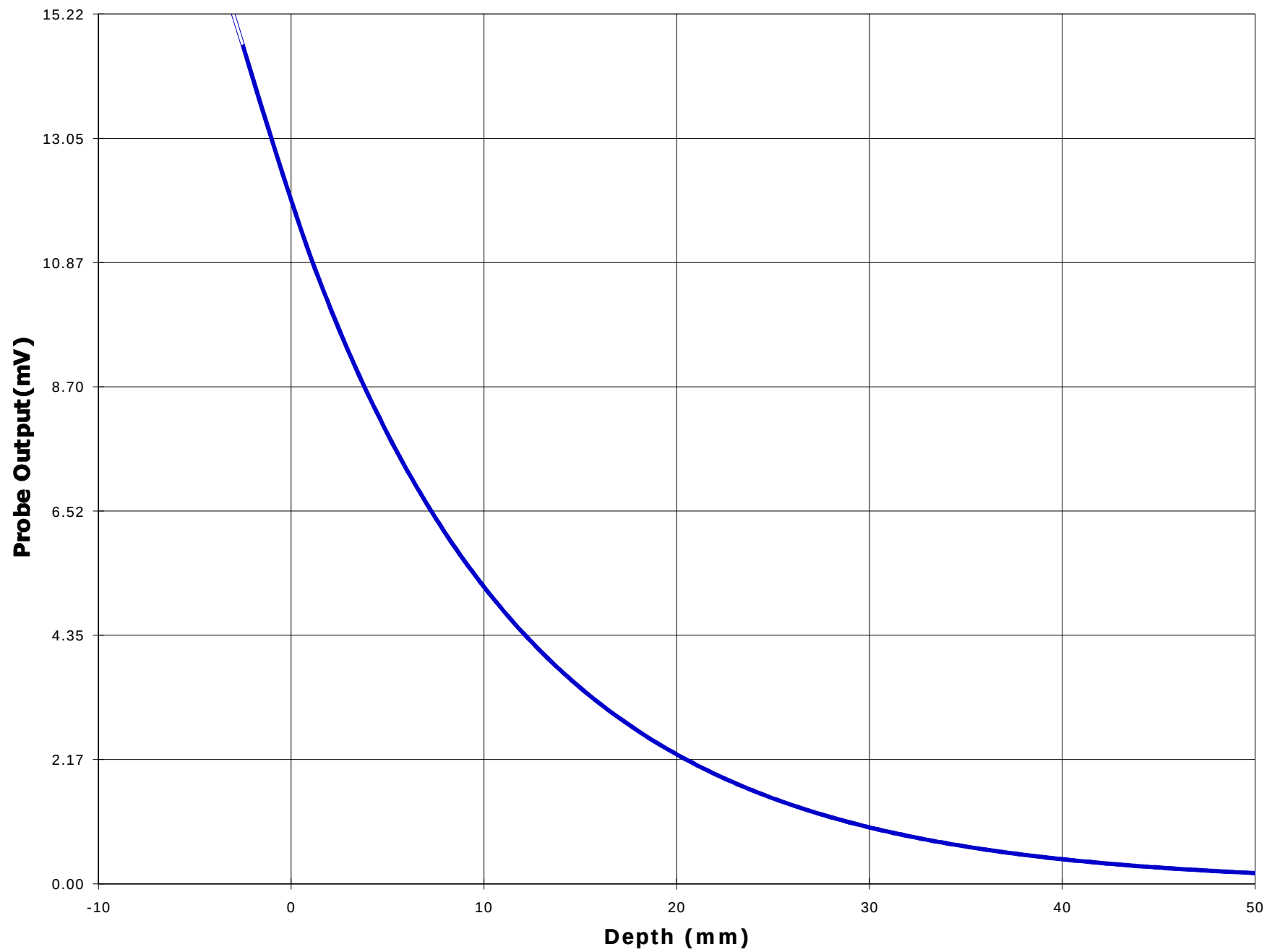












Test Information

Date : 2/12/00
Time : 10:51:47 AM

<u>Product</u>	: Cellular Phone	<u>Test</u>	: SAR
<u>Manufacturer</u>	: Mitsubishi	<u>Frequency (MHz)</u>	: 849
<u>Model Number</u>	: MT-253	<u>Nominal Output Power (W)</u>	: 0.600
<u>Serial Number</u>	: 1234	<u>Antenna Type</u>	: 1/2 Wave
<u>FCC ID Number</u>	: BGBMT254XF0R6A	<u>Signal</u>	: TDMA

<u>Phantom</u>	: Waist	<u>Dielectric Constant</u>	: 55.6
<u>Simulated Tissue</u>	: Muscle	<u>Conductivity</u>	: 0.92

<u>Probe</u>	: EI3	<u>Antenna Position</u>	: IN
<u>Probe Offset (mm)</u>	: 3.0	<u>Measured Power (W)</u>	: 0.187
<u>Sensor Factor (mV)</u>	: 10.8	<u>(conducted)</u>	
<u>Conversion Factor</u>	: 0.58	<u>Cable Insertion Loss (dB)</u>	: 0.6
<u>Calibrated Date</u>	: 2/19/99	<u>Compensated Power (W)</u>	: 0.215

Amplifier Setting :

Channel 1 : .00395	Channel 2 : .00439	Channel 3 : .00337
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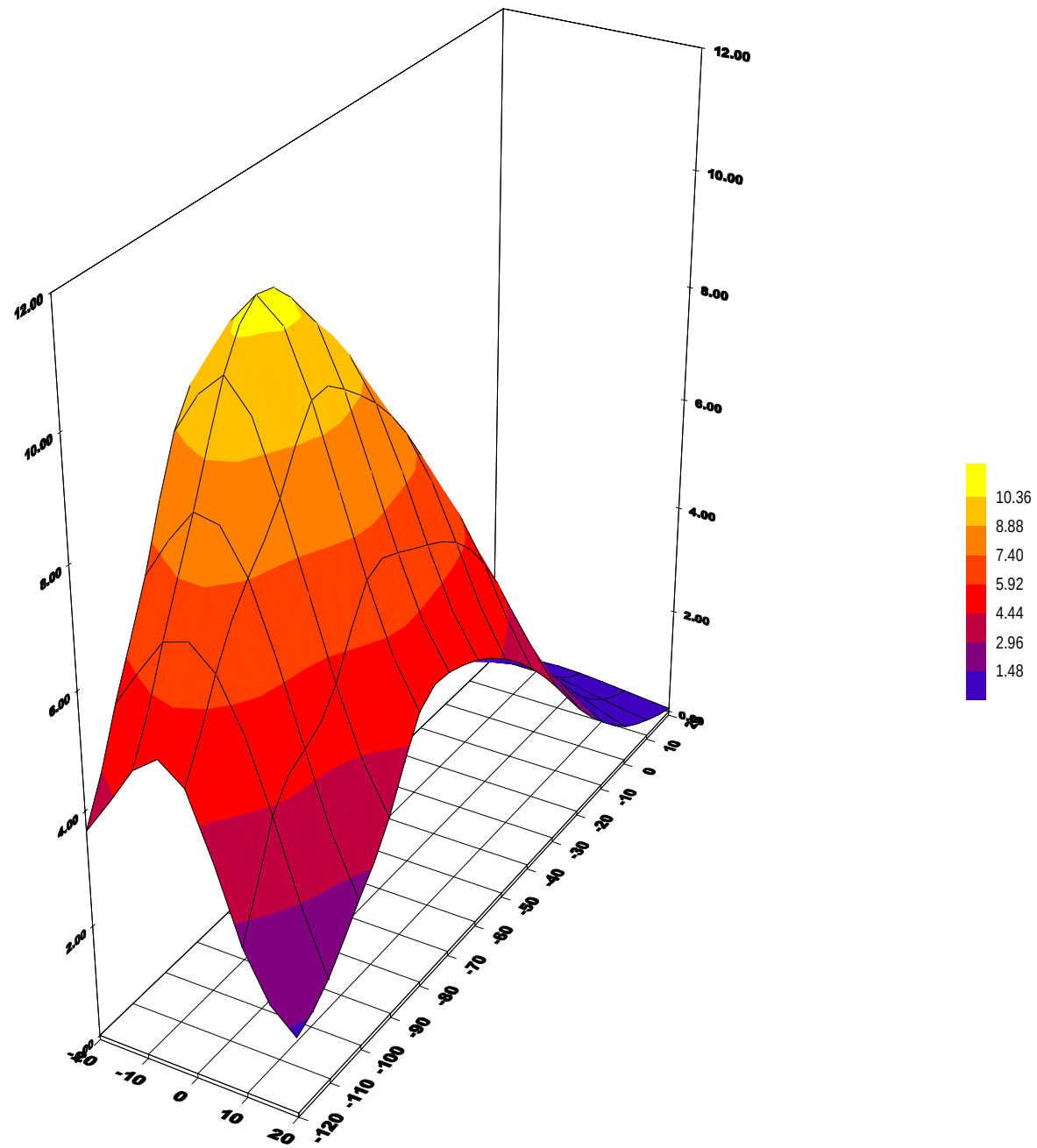
Location of Maximum Field :

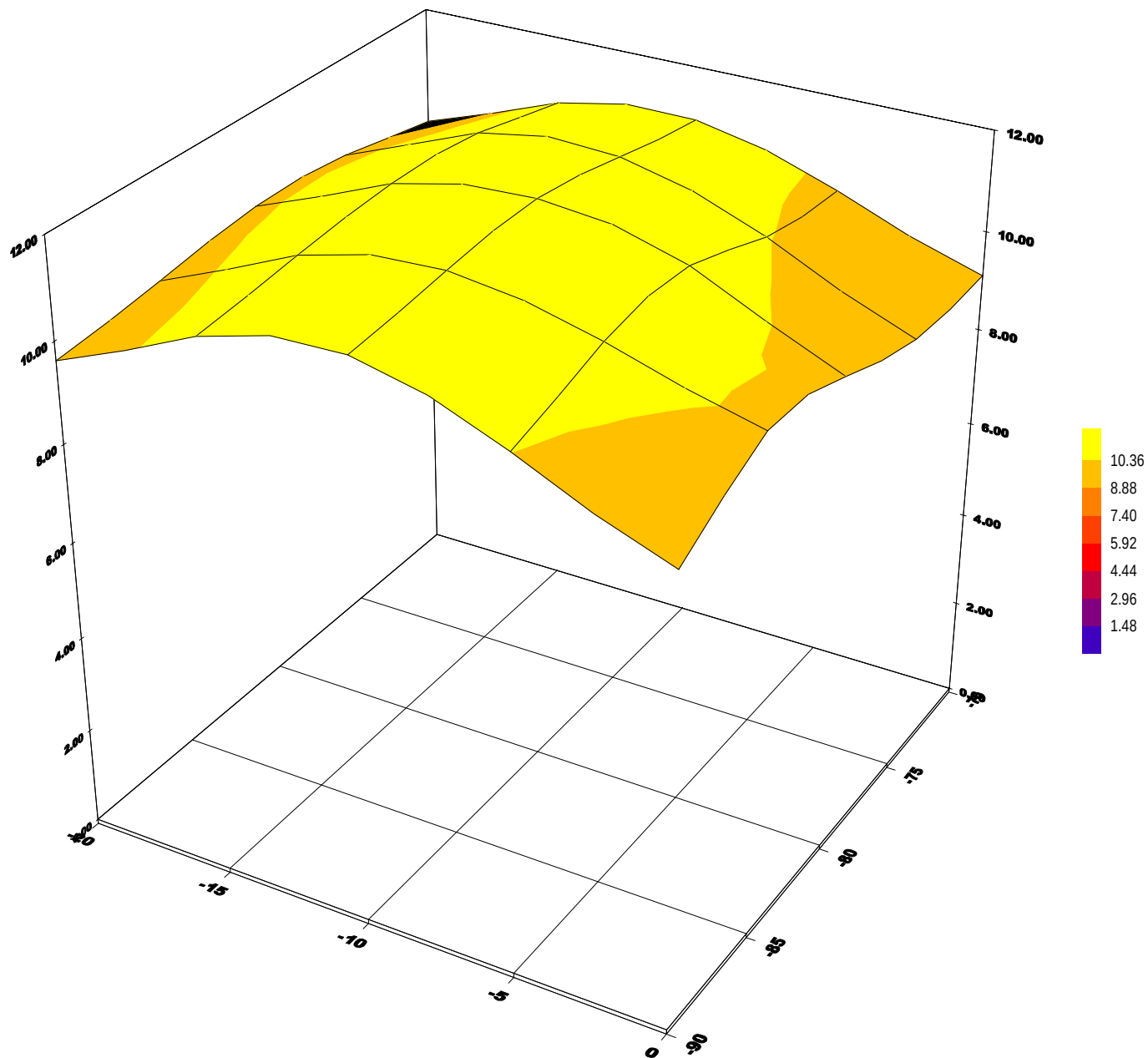
X = -10 Y = -80

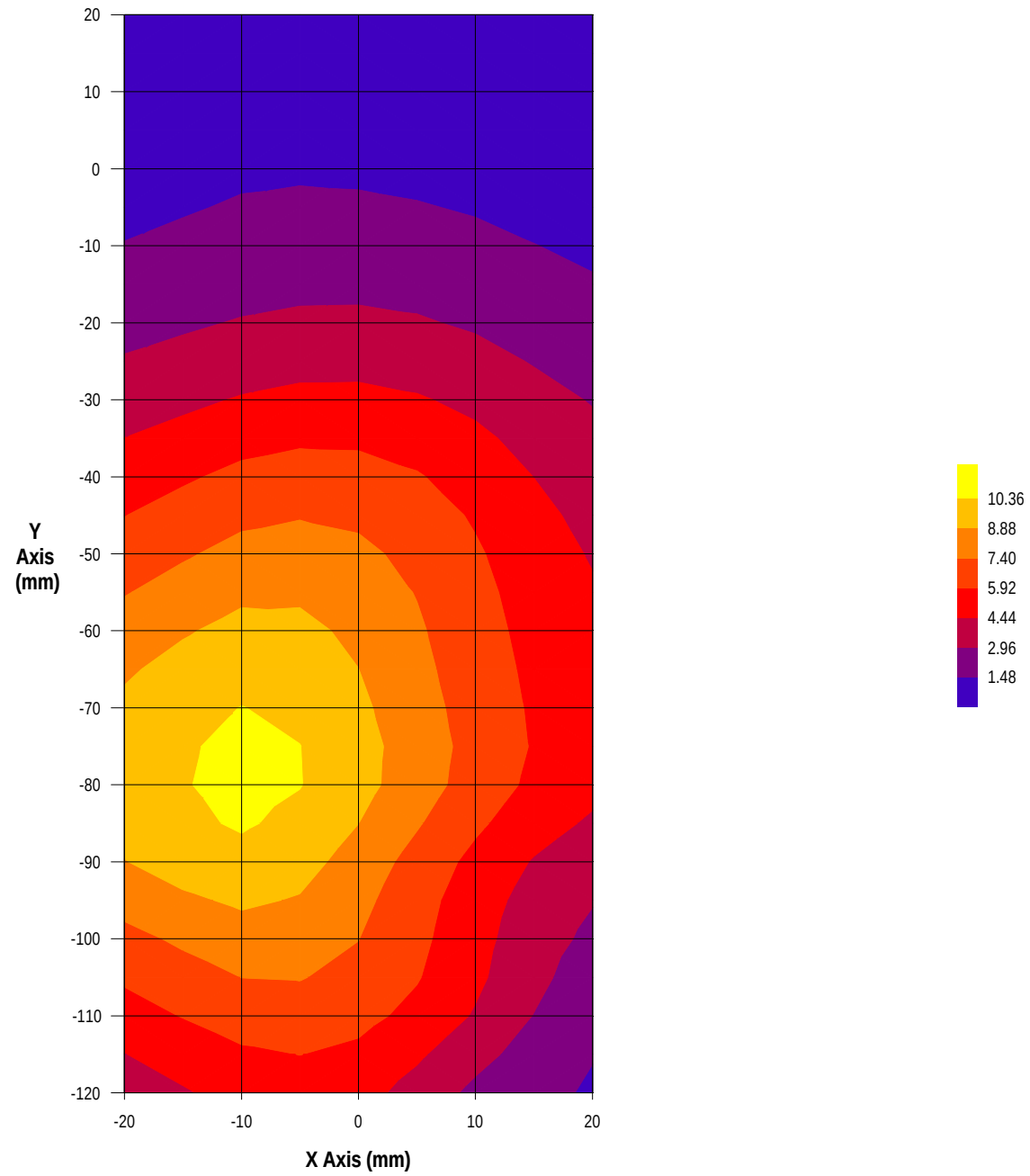
Measured Values (mV) :

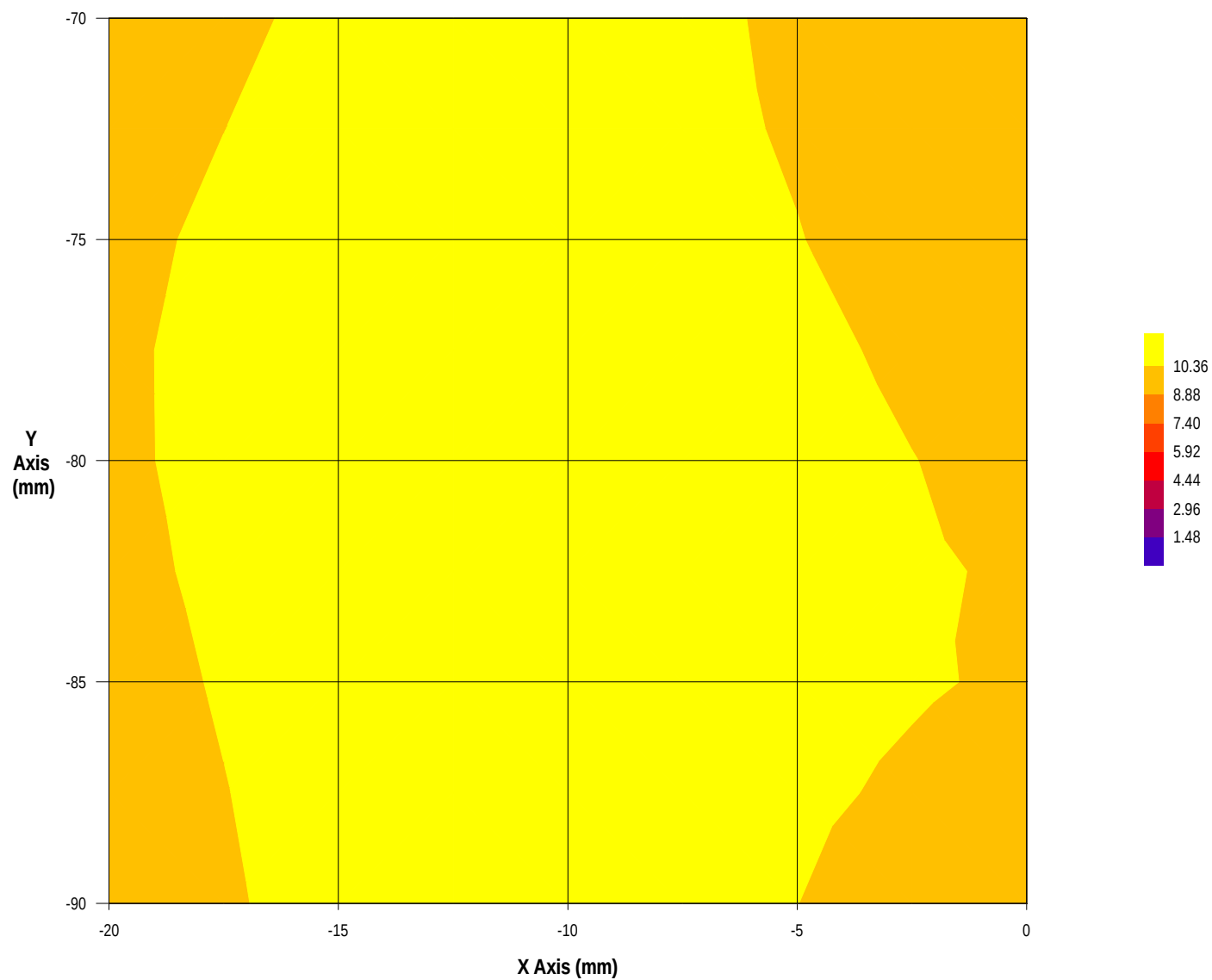
11.57	10.38	9.35	8.56	7.91	7.28
6.80	6.33	5.89	5.50	5.13	

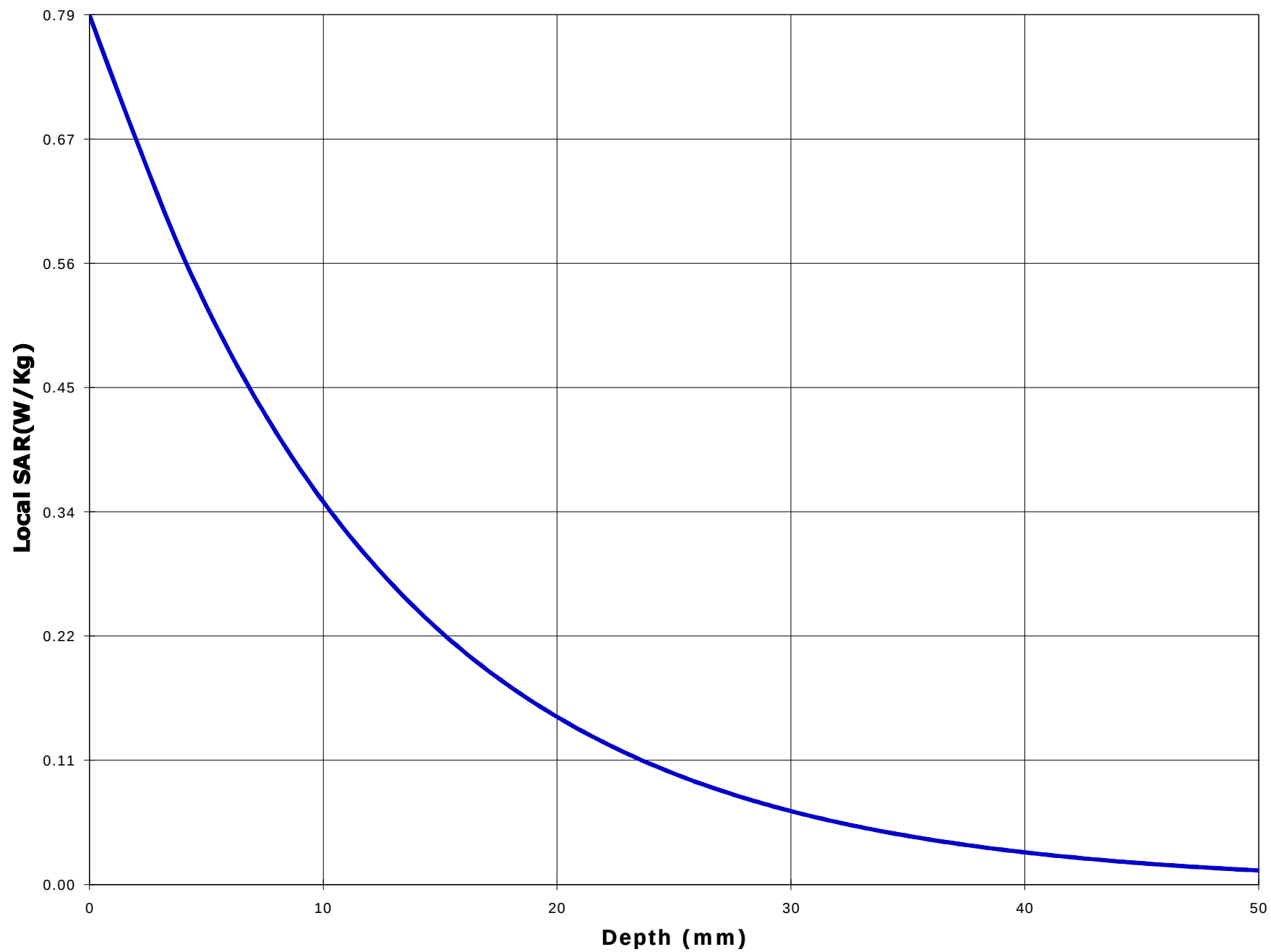
<u>Peak Voltage (mV)</u>	: 14.68	<u>1 Cm Voltage (mV)</u>	: 6.43	<u>SAR (W/Kg)</u>	: 0.54
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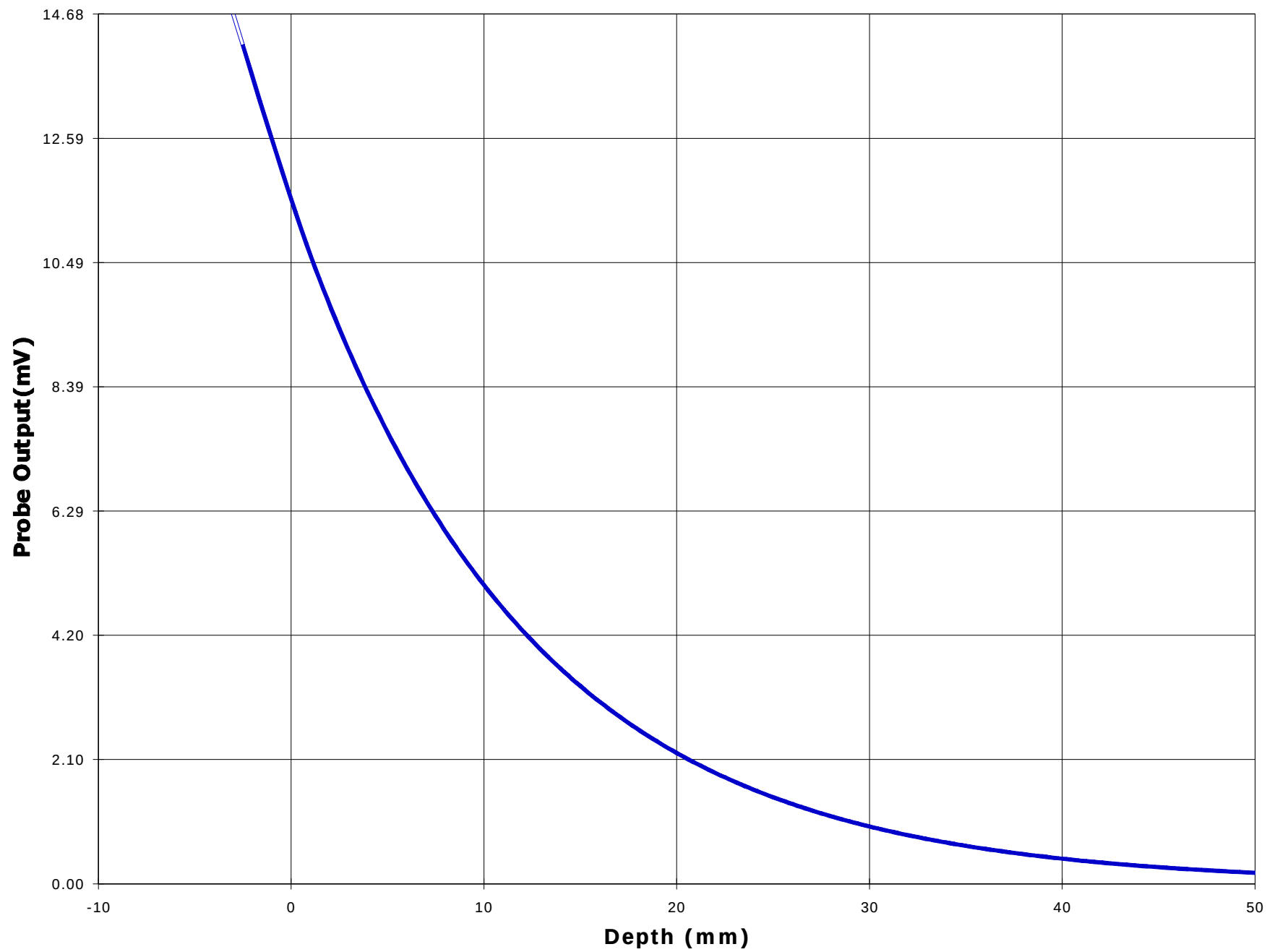












Test Information

Date : 2/12/00
Time : 11:12:05 AM

Product : Cellular Phone
Manufacturer : Mitsubishi
Model Number : MT-253
Serial Number : 1234
FCC ID Number : BGBMT254XF0R6A

Test : SAR
Frequency (MHz) : 824
Nominal Output Power (W) : 0.600
Antenna Type : 1/2 Wave
Signal : TDMA

Phantom : Waist
Simulated Tissue : Muscle

Dielectric Constant : 55.6
Conductivity : 0.92

Probe : EI3
Probe Offset (mm) : 3.0
Sensor Factor (mV) : 10.8
Conversion Factor : 0.58
Calibrated Date : 2/19/99

Antenna Position : OUT
Measured Power (W) : 0.200
(conducted)
Cable Insertion Loss (dB) : 0.6
Compensated Power (W) : 0.230

Amplifier Setting :

Channel 1 : .00395 Channel 2 : .00439 Channel 3 : .00337

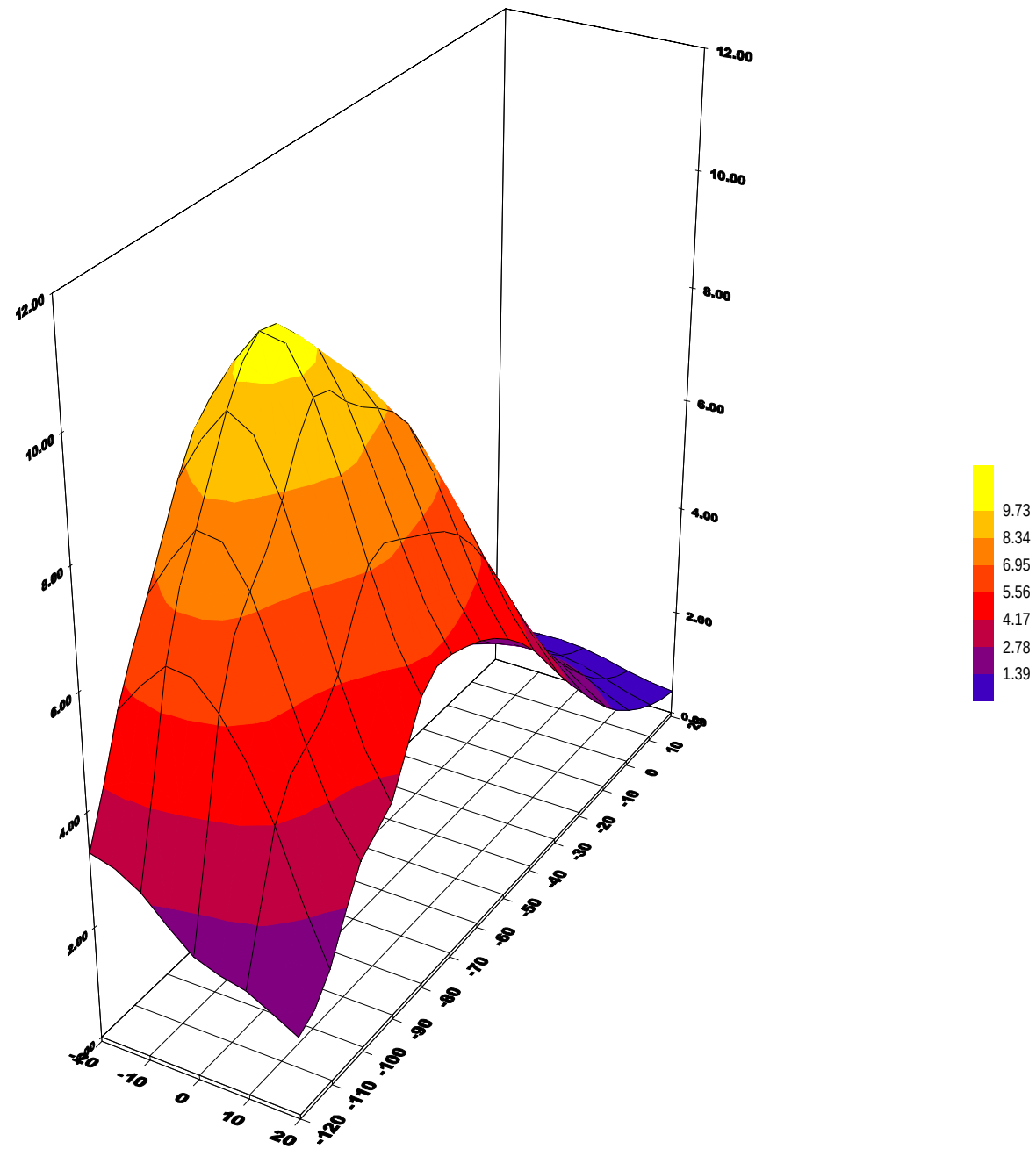
Location of Maximum Field :

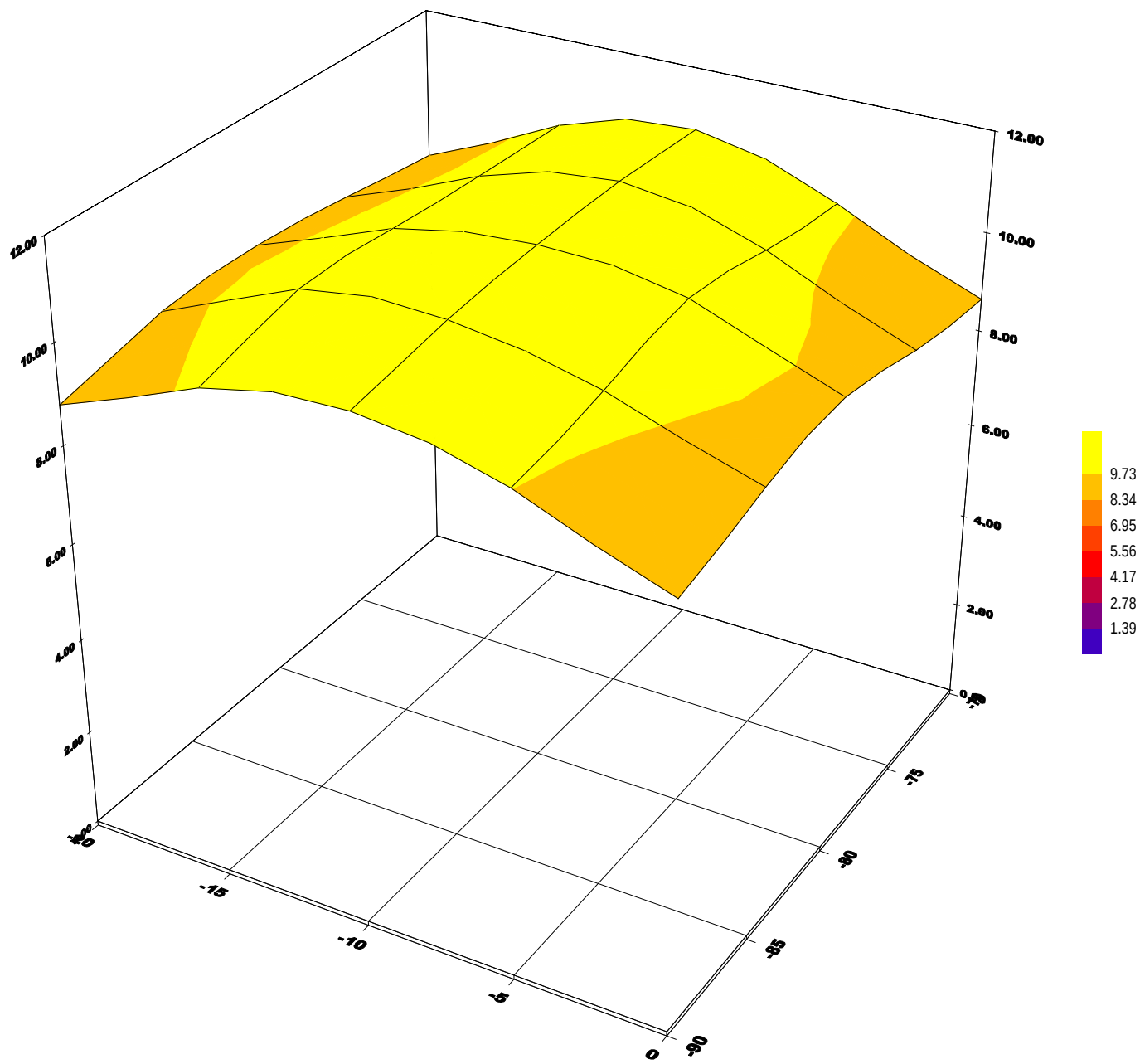
X = -10 Y = -75

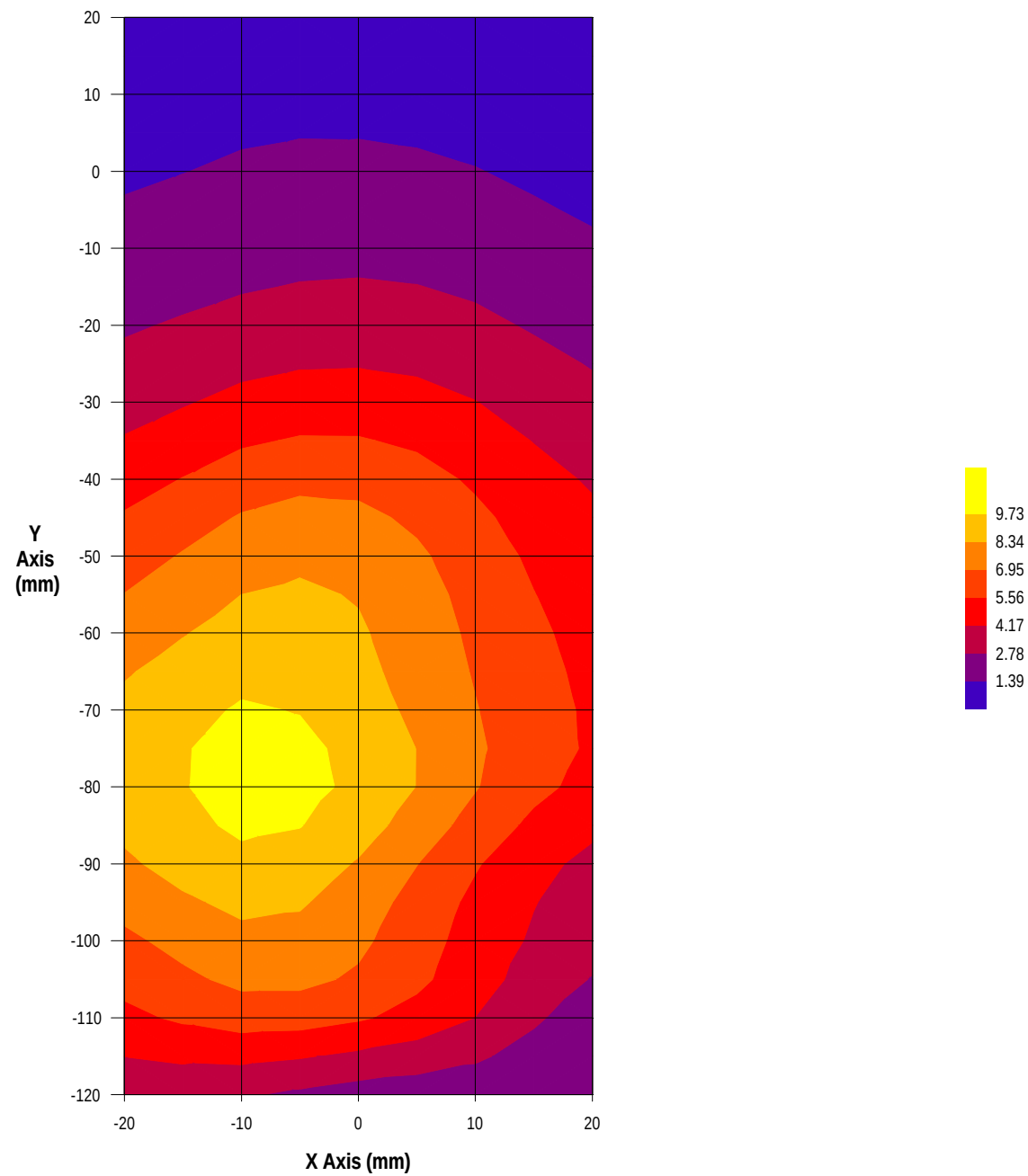
Measured Values (mV) :

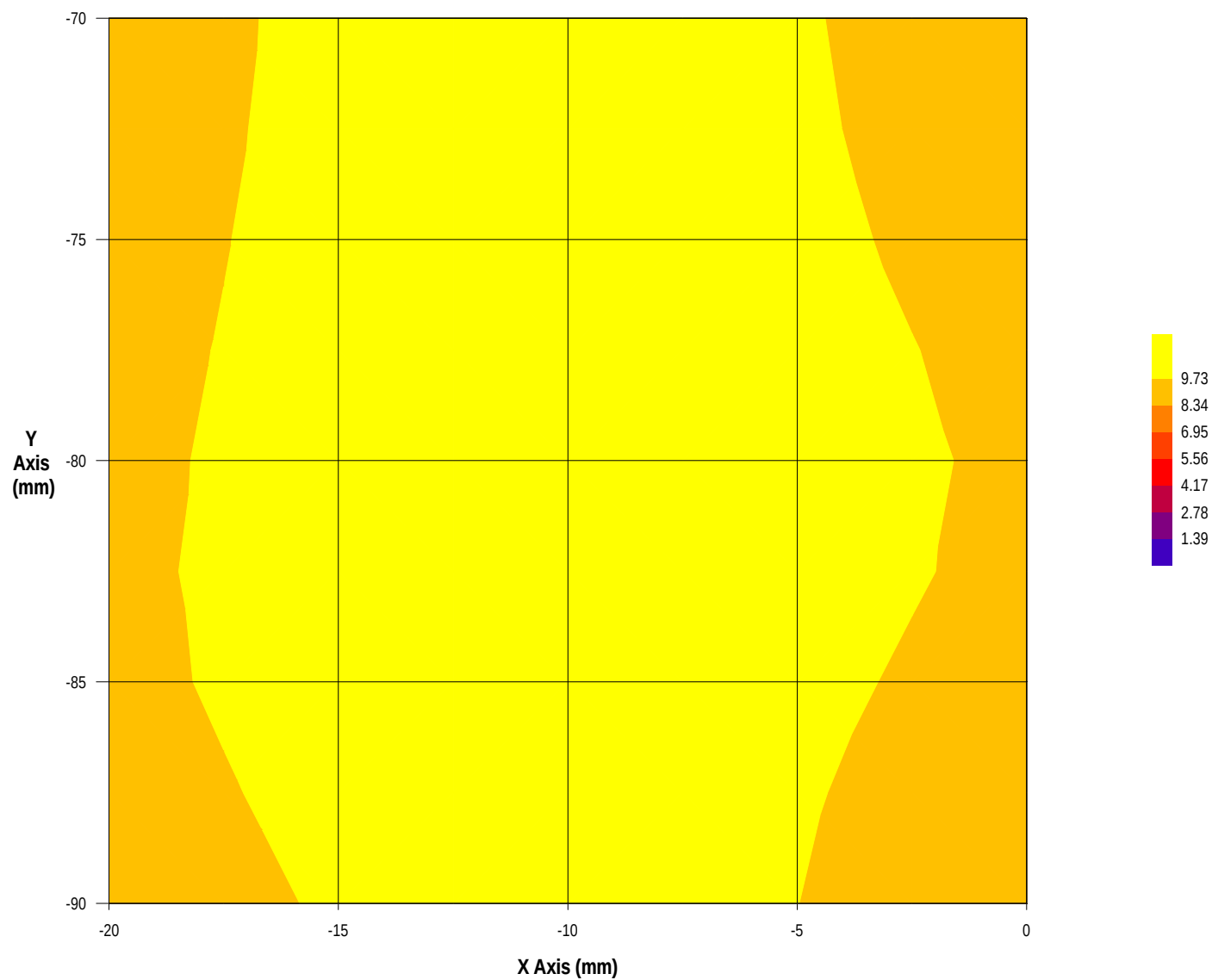
10.80	9.73	8.85	8.12	7.57	7.01
6.53	6.04	5.64	5.25	4.94	

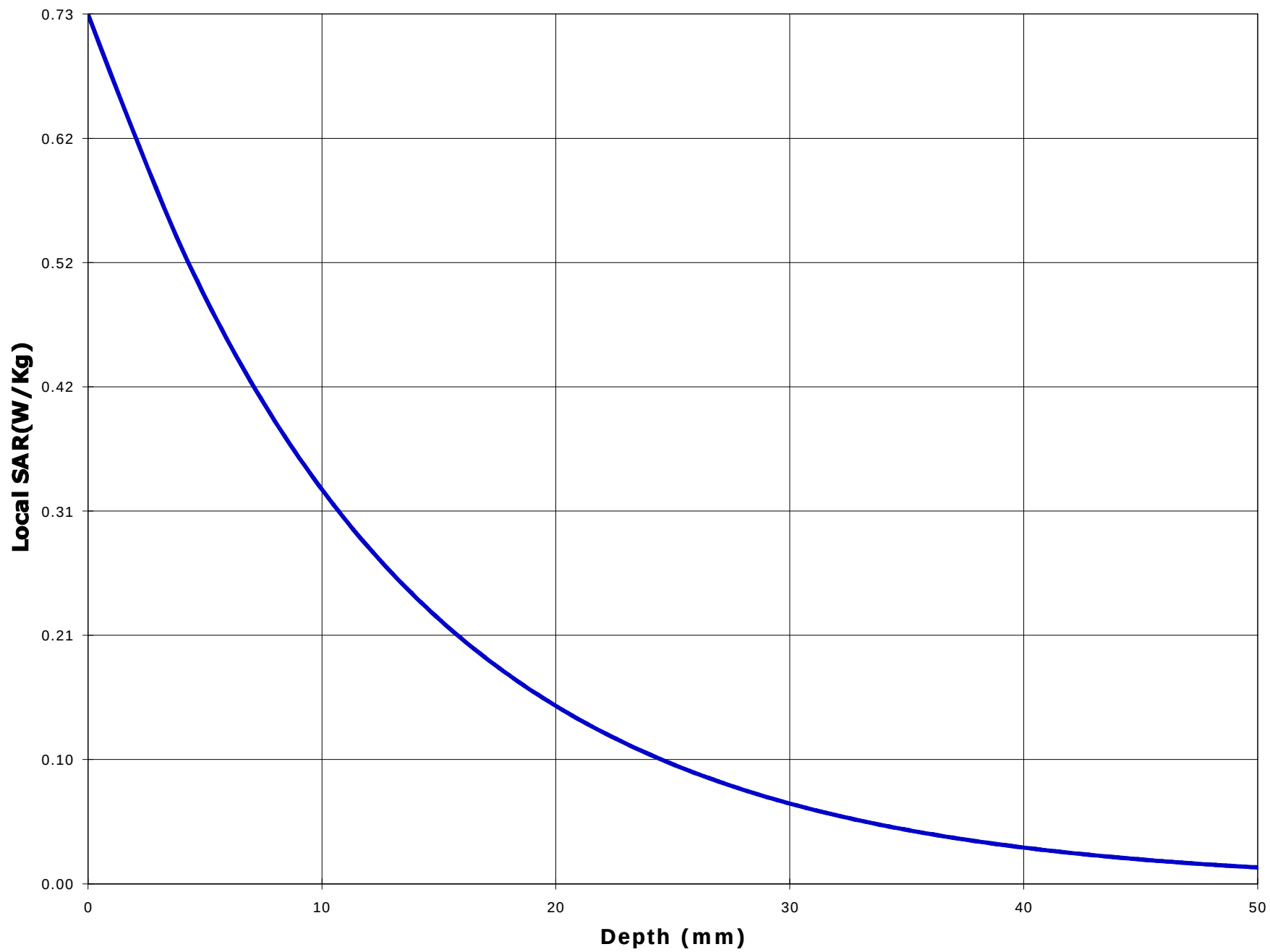
Peak Voltage (mV) : 13.60 1 Cm Voltage (mV) : 6.14 SAR (W/Kg) : 0.50

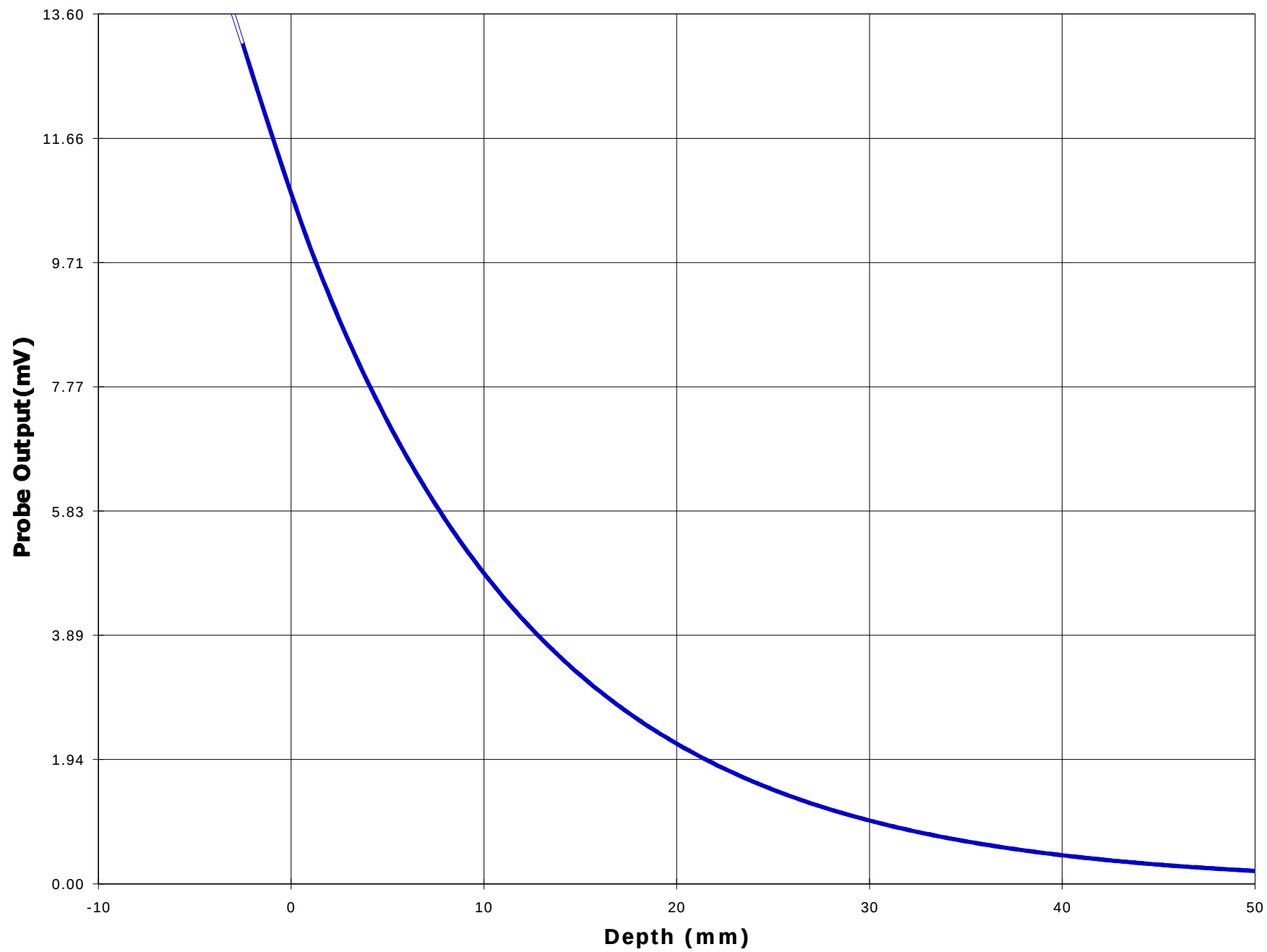












Test Information

Date : 2/12/00
Time : 11:33:40 AM

Product : Cellular Phone
Manufacturer : Mitsubishi
Model Number : MT-253
Serial Number : 1234
FCC ID Number : BGBMT254XF0R6A

Test : SAR
Frequency (MHz) : 837
Nominal Output Power (W) : 0.600
Antenna Type : 1/2 Wave
Signal : TDMA

Phantom : Waist
Simulated Tissue : Muscle

Dielectric Constant : 55.6
Conductivity : 0.92

Probe : EI3
Probe Offset (mm) : 3.0
Sensor Factor (mV) : 10.8
Conversion Factor : 0.58
Calibrated Date : 2/19/99

Antenna Position : OUT
Measured Power (W) : 0.200
(conducted)
Cable Insertion Loss (dB) : 0.6
Compensated Power (W) : 0.230

Amplifier Setting :

Channel 1 : .00395 Channel 2 : .00439 Channel 3 : .00337

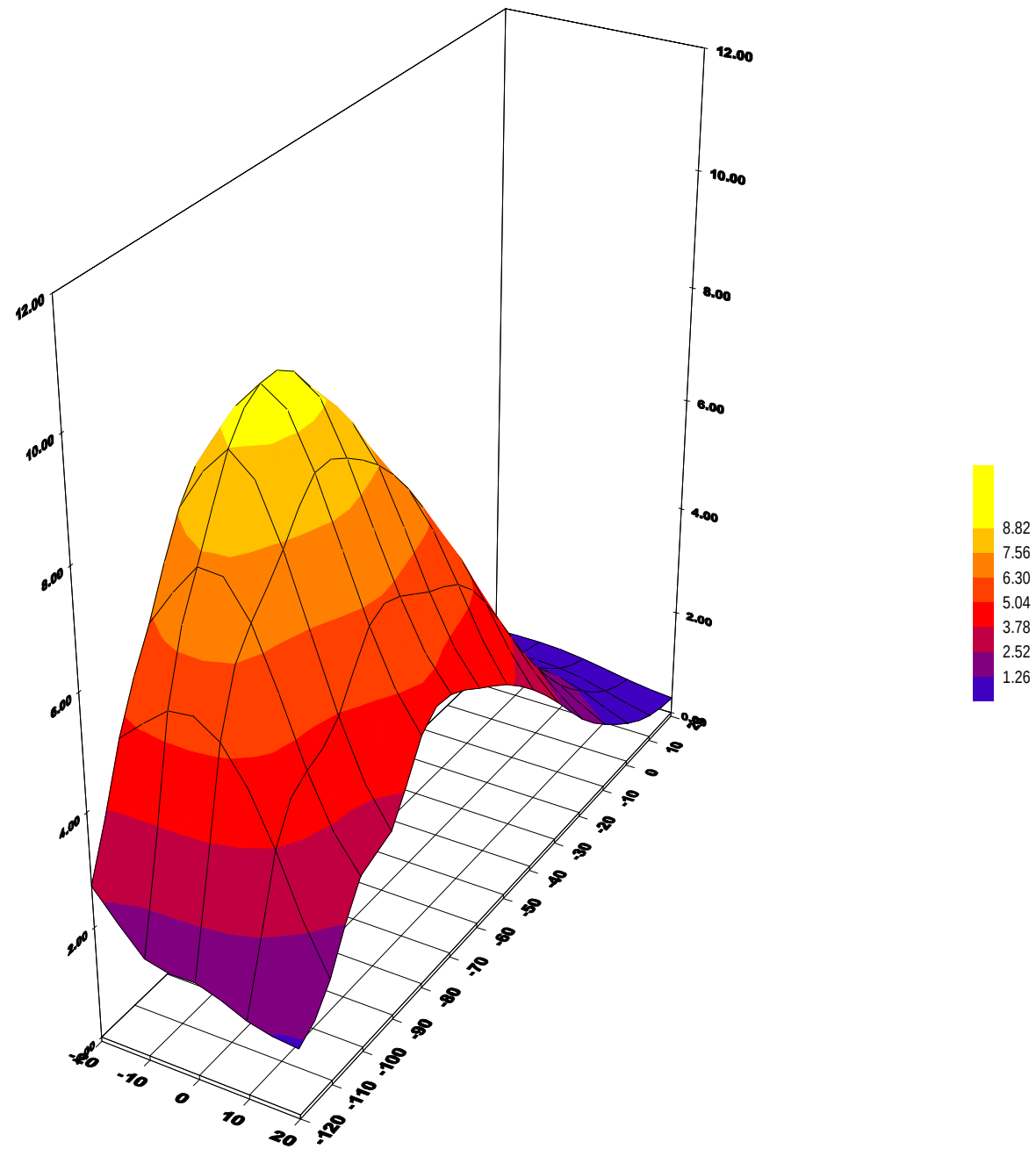
Location of Maximum Field :

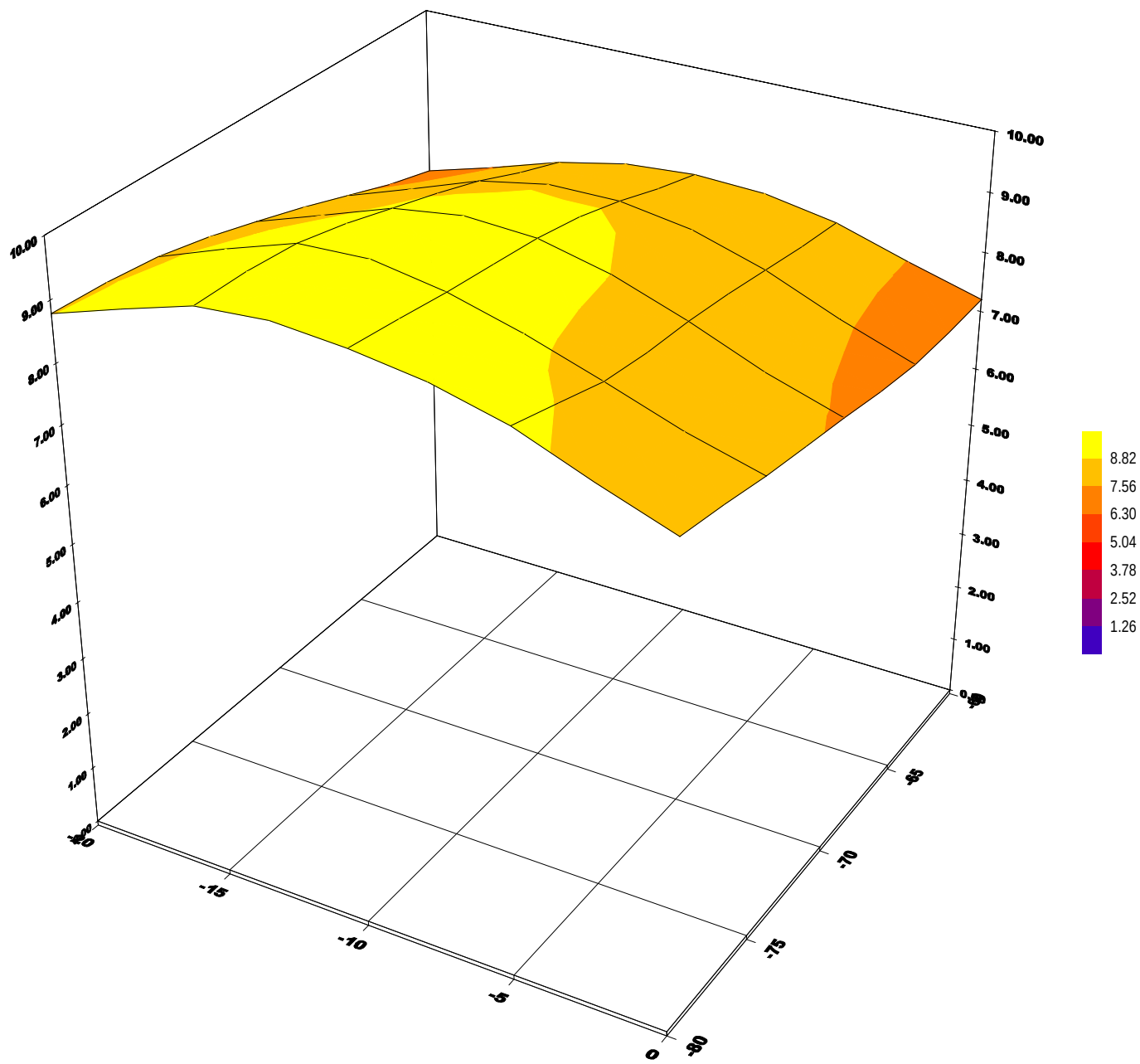
X = -15 Y = -75

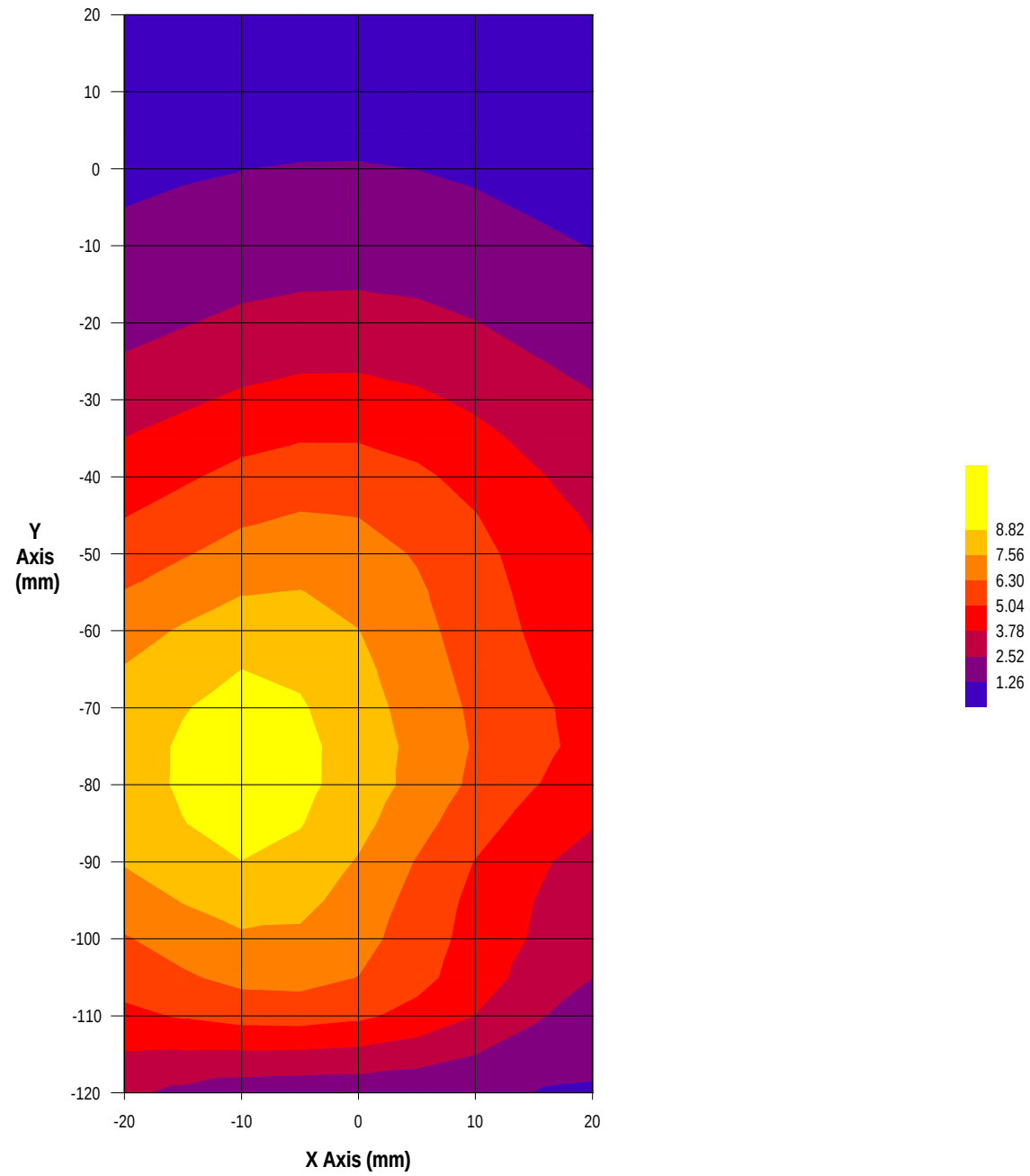
Measured Values (mV) :

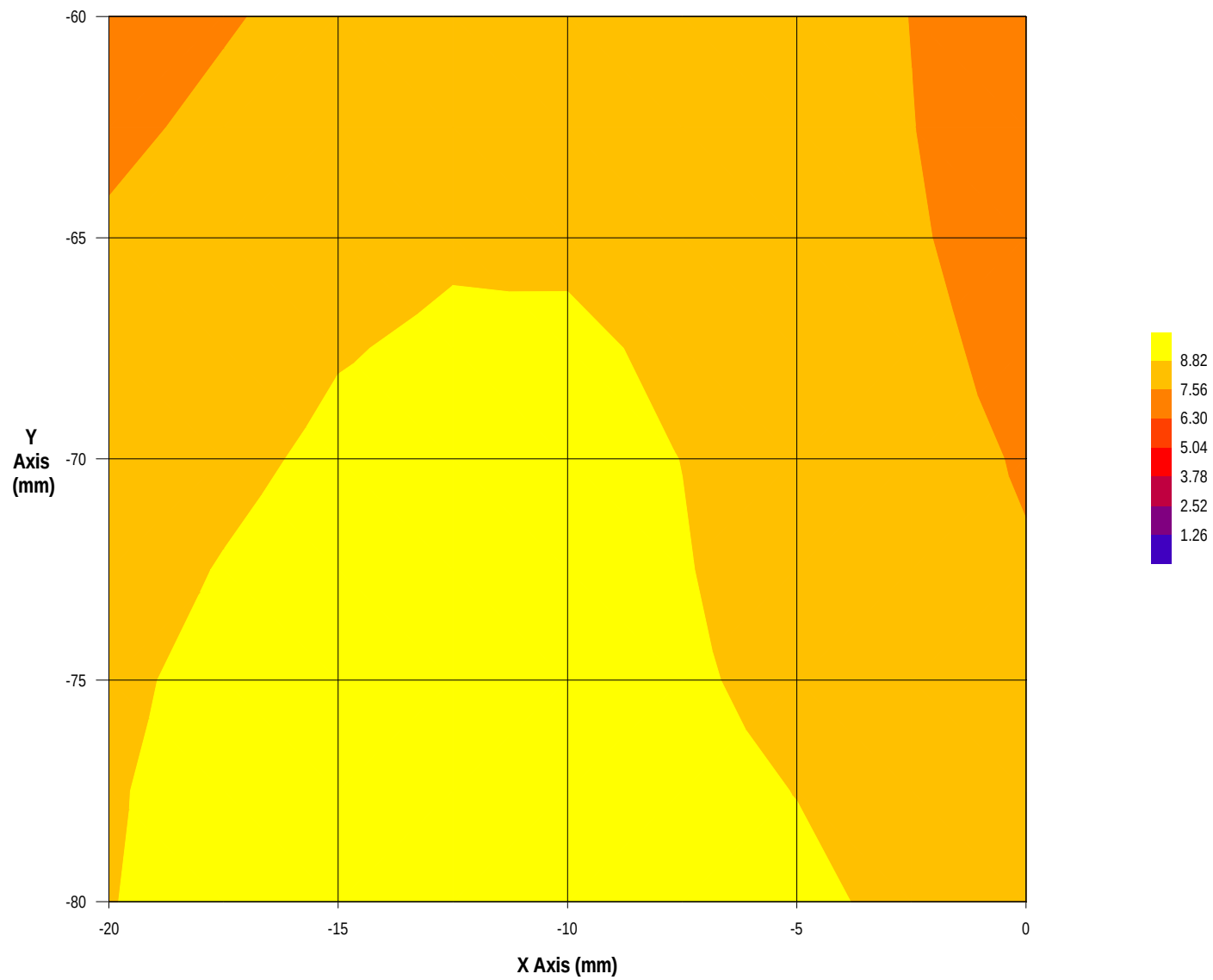
9.55	8.73	7.82	7.15	6.60	6.11
5.61	5.20	4.84	4.44	4.09	

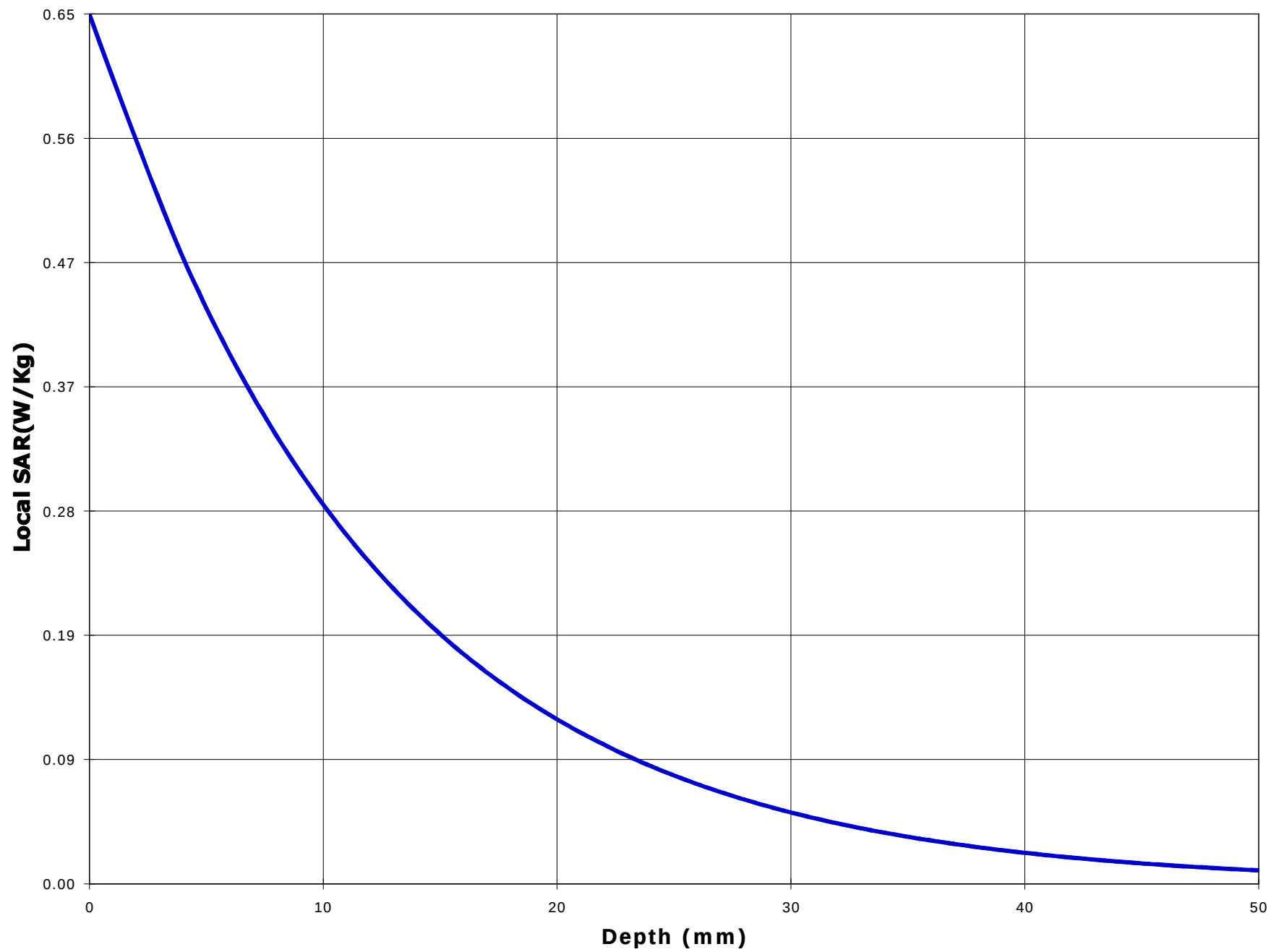
Peak Voltage (mV) : 12.22 1 Cm Voltage (mV) : 5.30 SAR (W/Kg) : 0.43

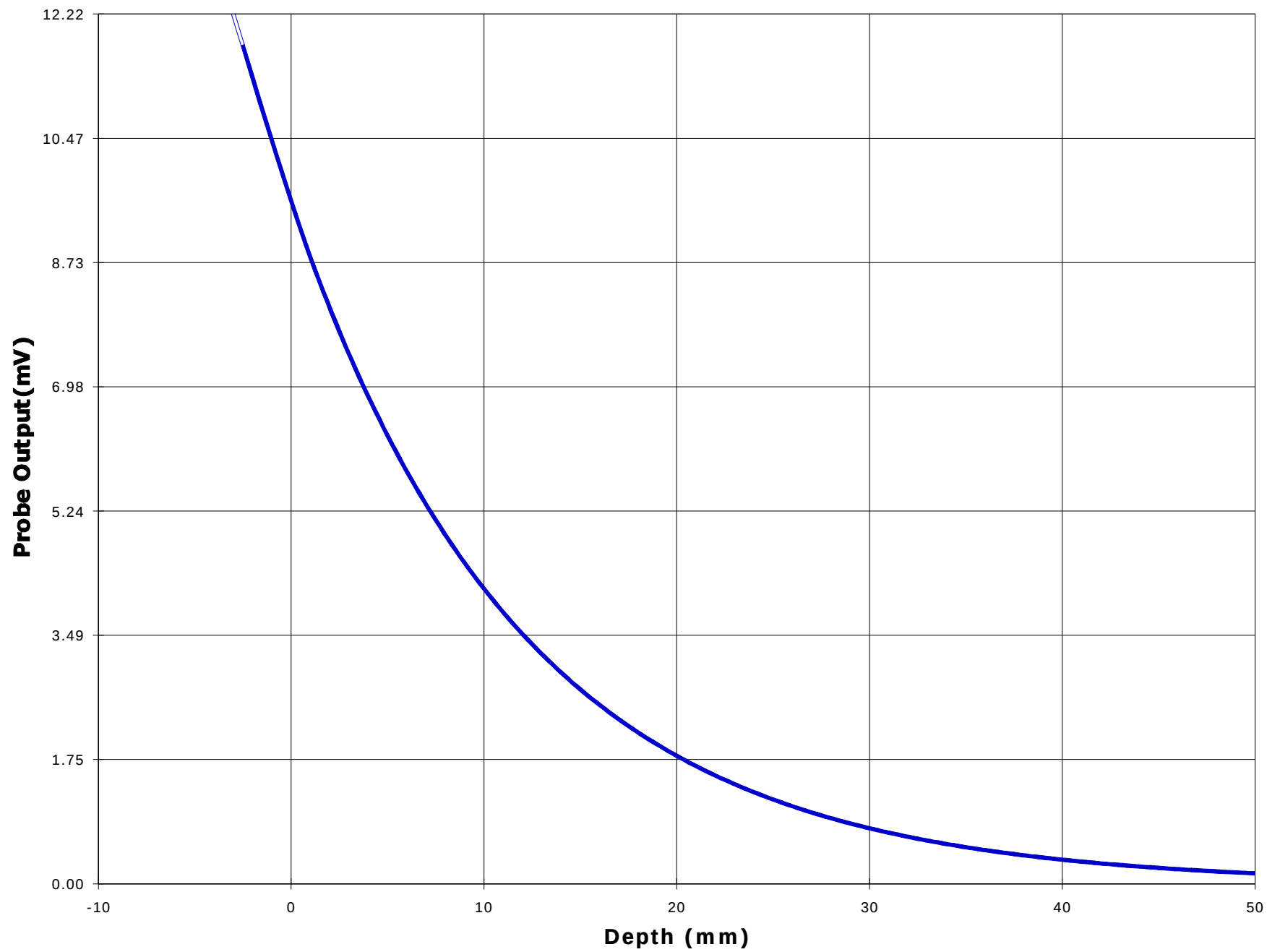












Test Information

Date : 2/12/00
Time : 1:27:39 PM

Product : Cellular Phone
Manufacturer : Mitsubishi
Model Number : MT-253
Serial Number : 1234
FCC ID Number : BGBMT254XF0R6A

Test : SAR
Frequency (MHz) : 849
Nominal Output Power (W) : 0.600
Antenna Type : 1/2 Wave
Signal : TDMA

Phantom : Waist
Simulated Tissue : Muscle

Dielectric Constant : 55.6
Conductivity : 0.92

Probe : EI3
Probe Offset (mm) : 3.0
Sensor Factor (mV) : 10.8
Conversion Factor : 0.58
Calibrated Date : 2/19/99

Antenna Position : OUT
Measured Power (W) : 0.187
(conducted)
Cable Insertion Loss (dB) : 0.6
Compensated Power (W) : 0.215

Amplifier Setting :

Channel 1 : .00395 Channel 2 : .00439 Channel 3 : .00337

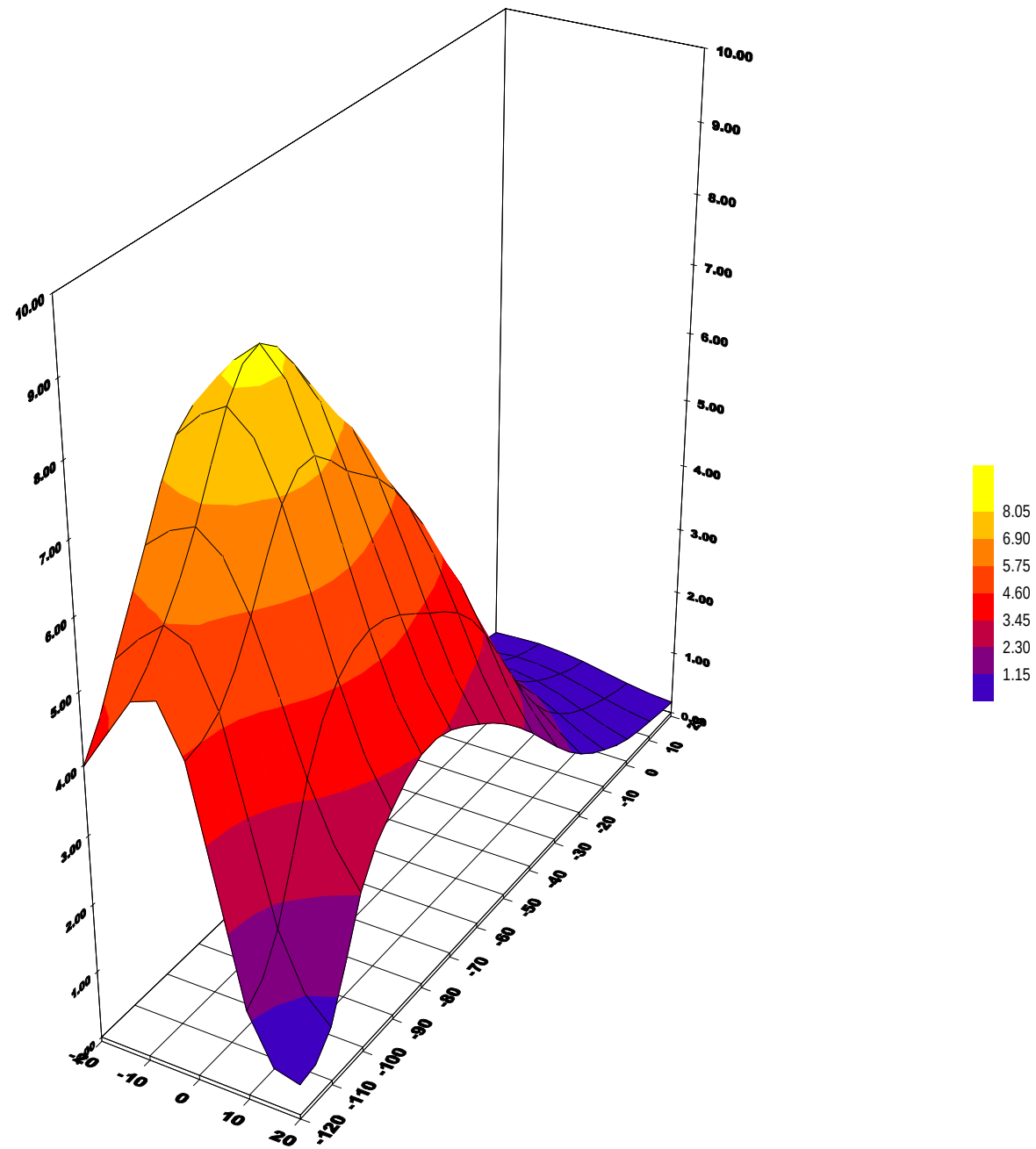
Location of Maximum Field :

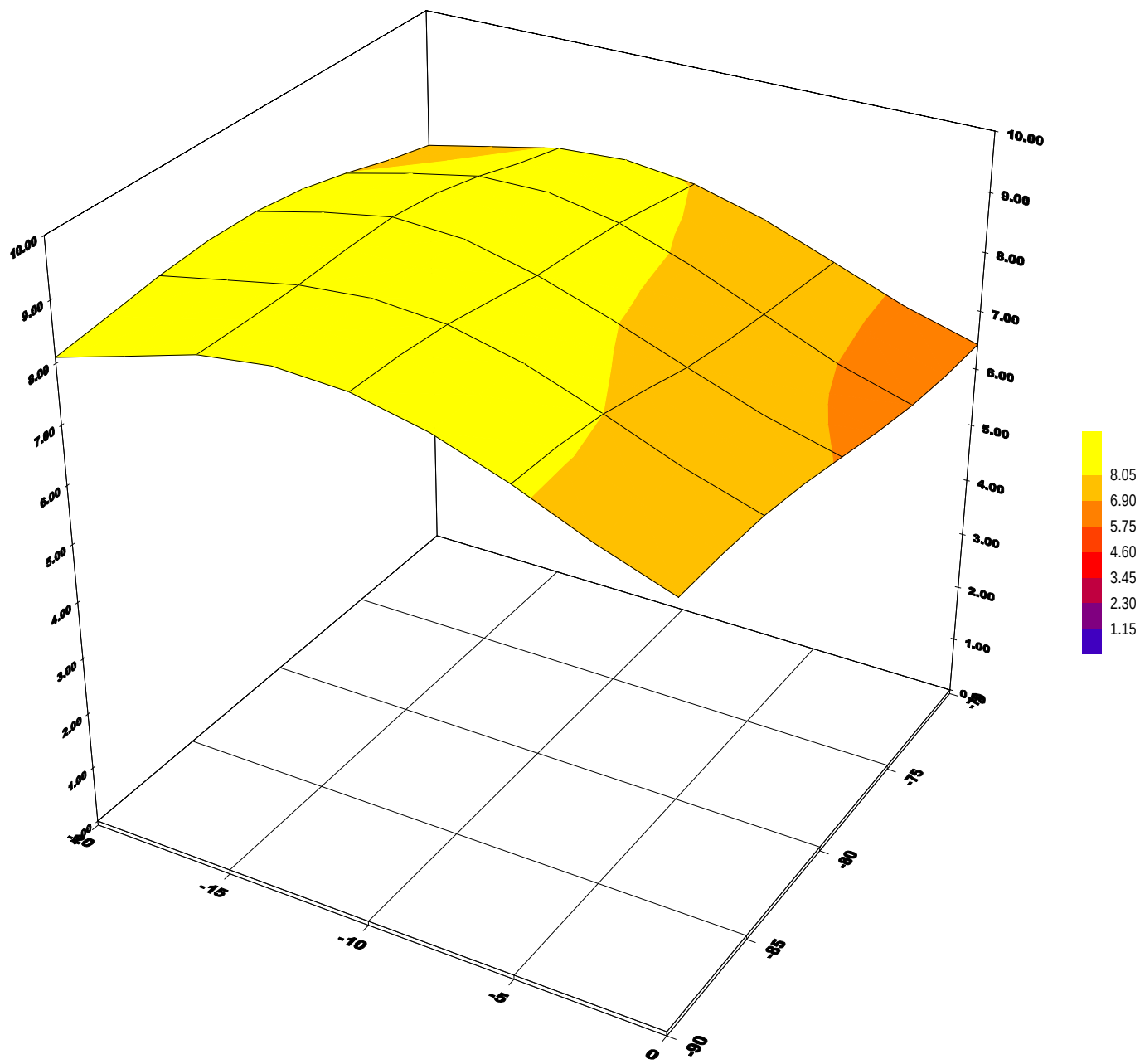
X = -15 Y = -80

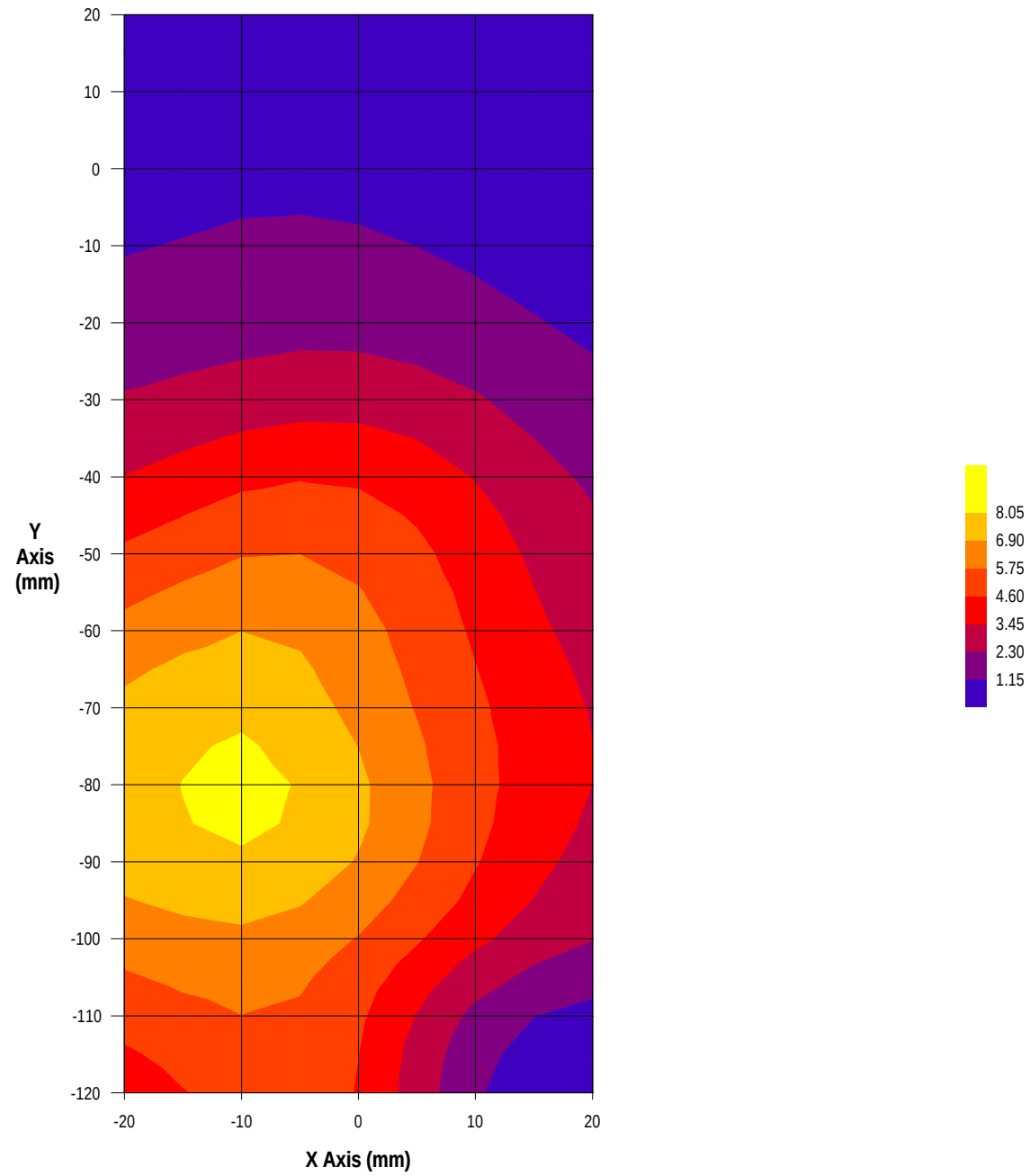
Measured Values (mV) :

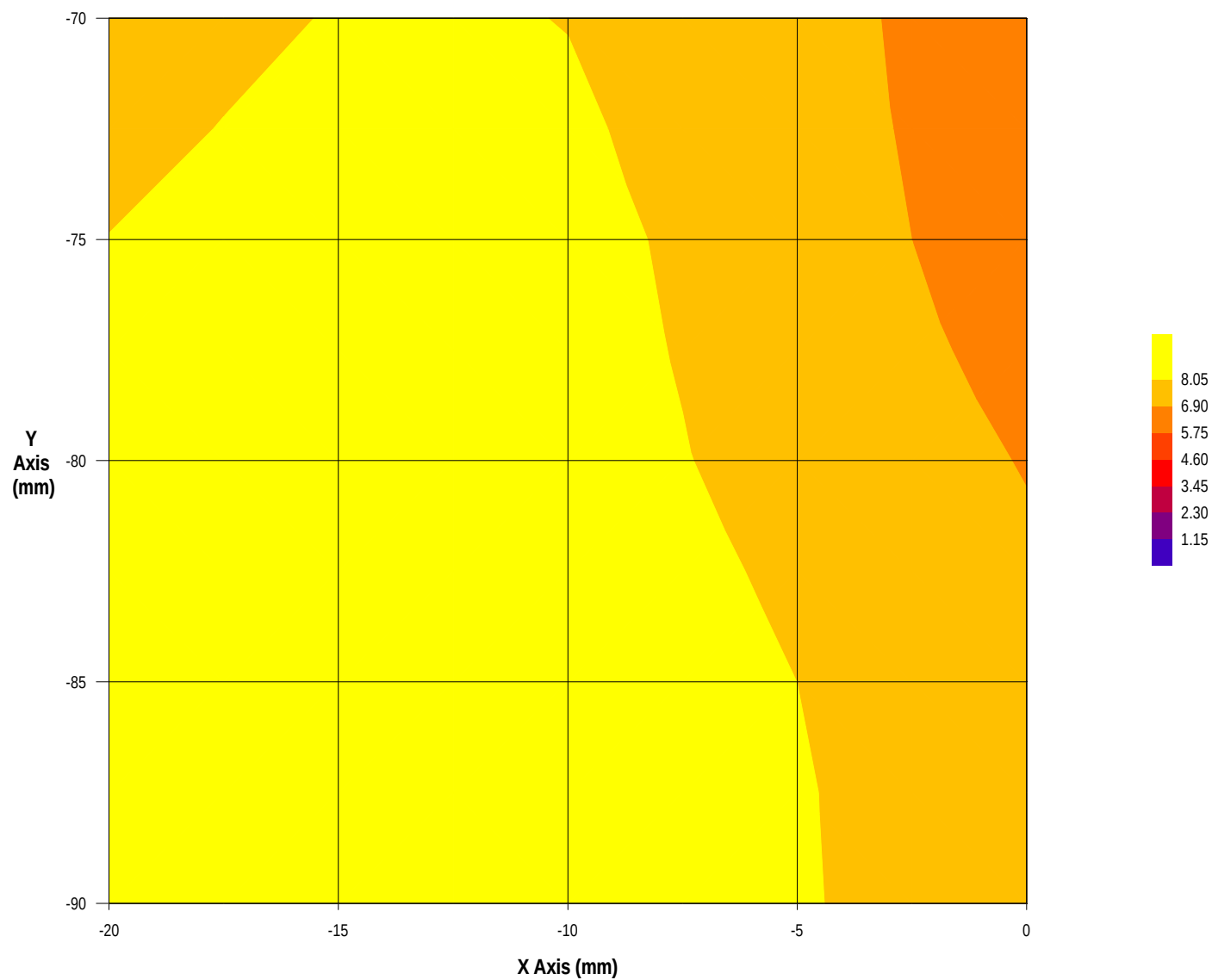
8.63	7.80	6.95	6.31	5.72	5.29
4.83	4.45	4.08	3.79	3.45	

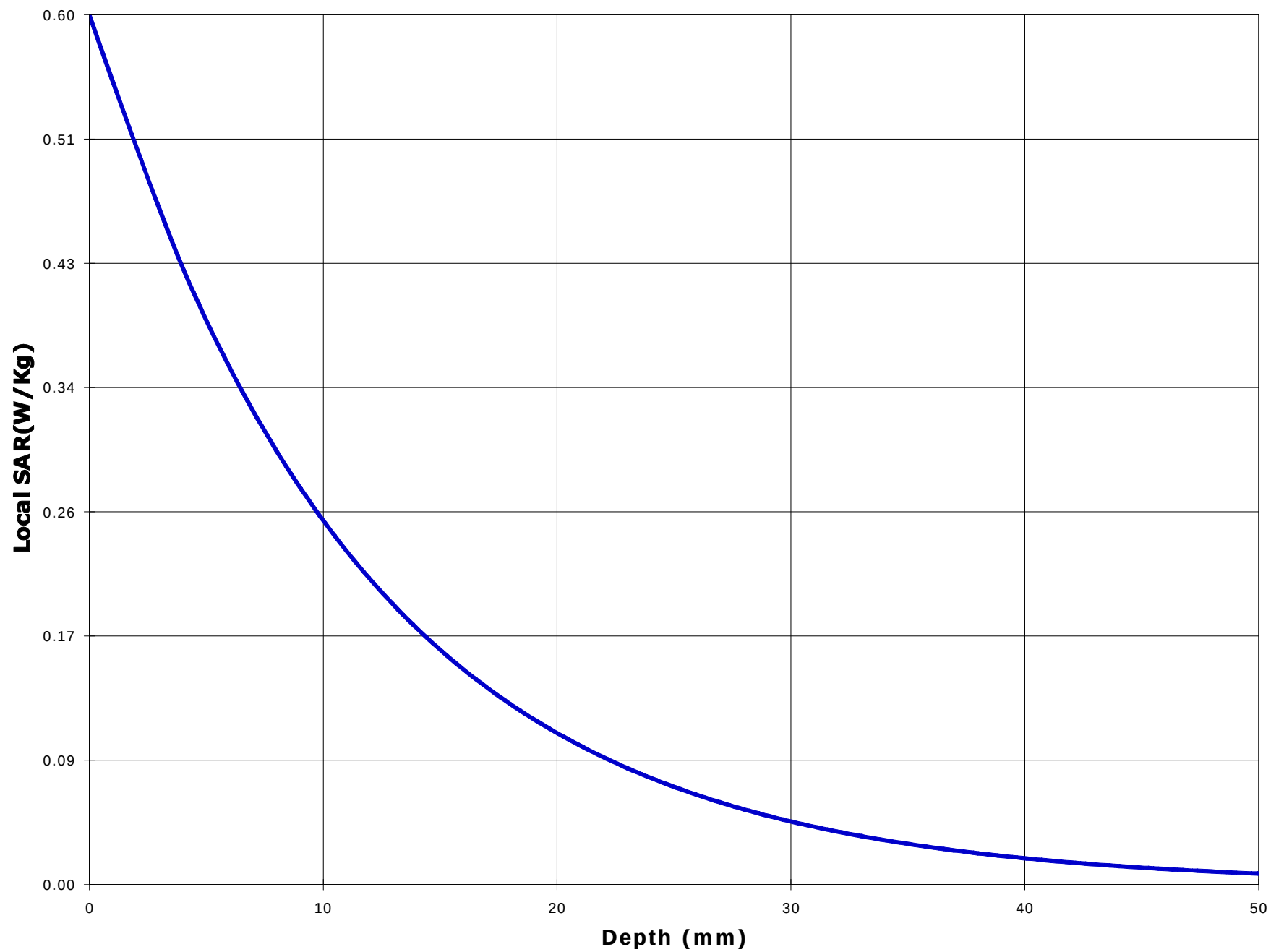
Peak Voltage (mV) : 11.16 1 Cm Voltage (mV) : 4.64 SAR (W/Kg) : 0.40

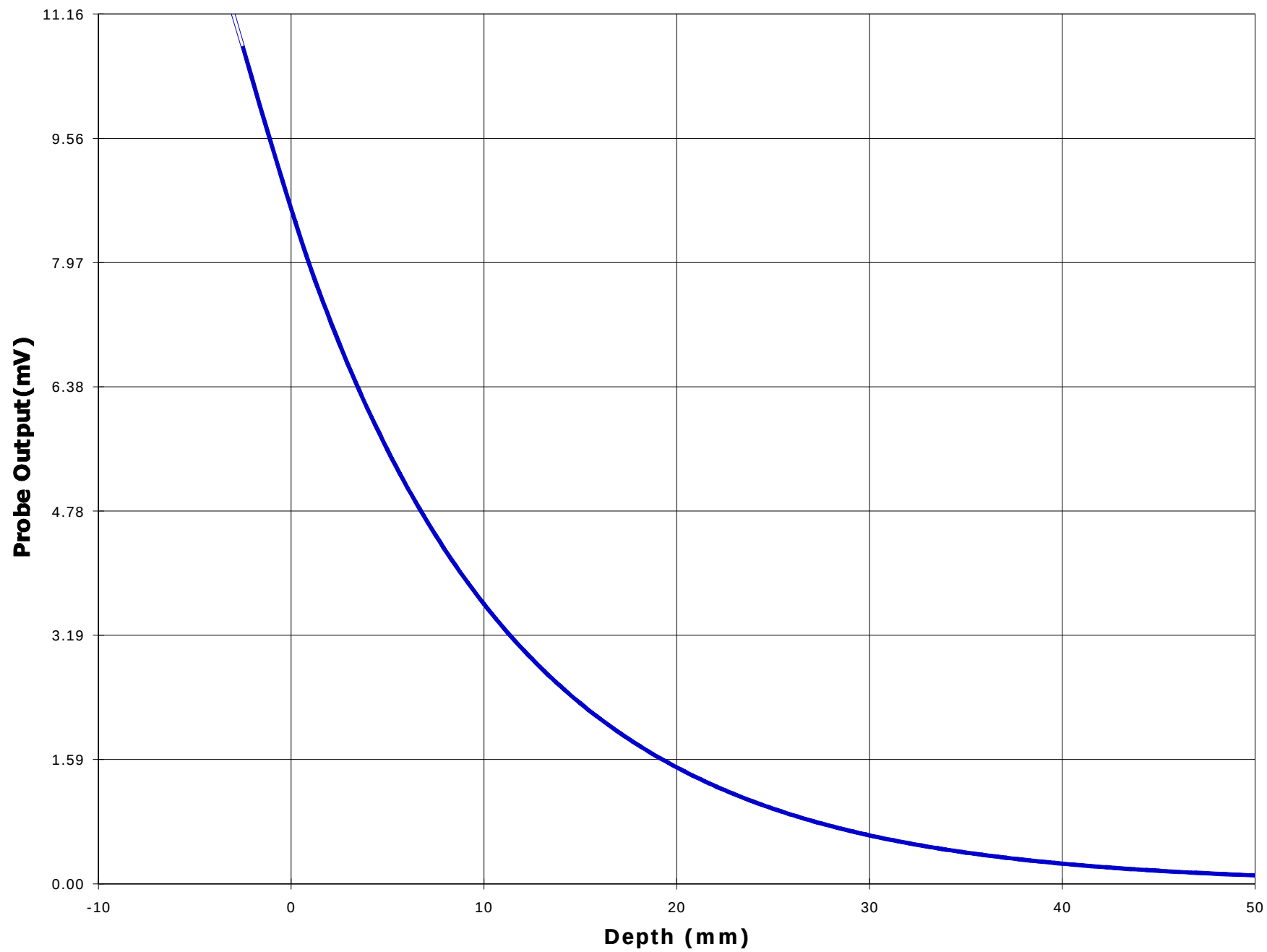












Test Information

Date : 2/15/00
Time : 9:01:33 AM

Product : Cellular Phone
Manufacturer : Mitsubishi
Model Number : MT-253
Serial Number : 1234
FCC ID Number : BGBMT254XF0R6A

Test : SAR
Frequency (MHz) : 1850
Nominal Output Power (W) : 0.600
Antenna Type : 1/2 Wave
Signal : TDMA

Phantom : Waist
Simulated Tissue : Muscle

Dielectric Constant : 56.6
Conductivity : 1.38

Probe : ETR225_1_999
Probe Offset (mm) : 2.3
Sensor Factor (mV) : 10.8
Conversion Factor : 1.85
Calibrated Date : 11/23/99

Antenna Position : IN
Measured Power (W) : 0.210
(conducted)
Cable Insertion Loss (dB) : 1.2
Compensated Power (W) : 0.277

Amplifier Setting :

Channel 1 : .00262 Channel 2 : .00255 Channel 3 : .00380

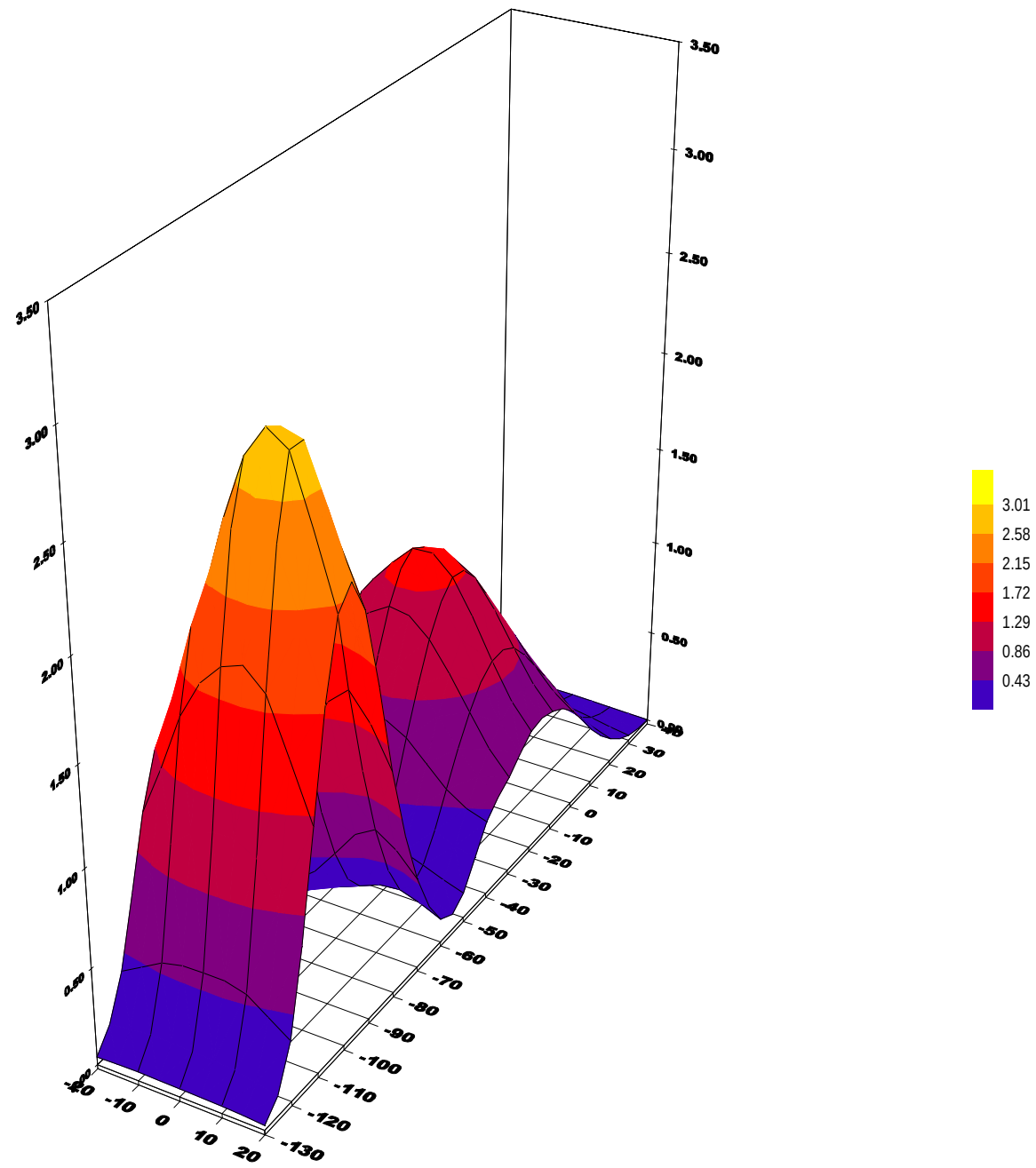
Location of Maximum Field :

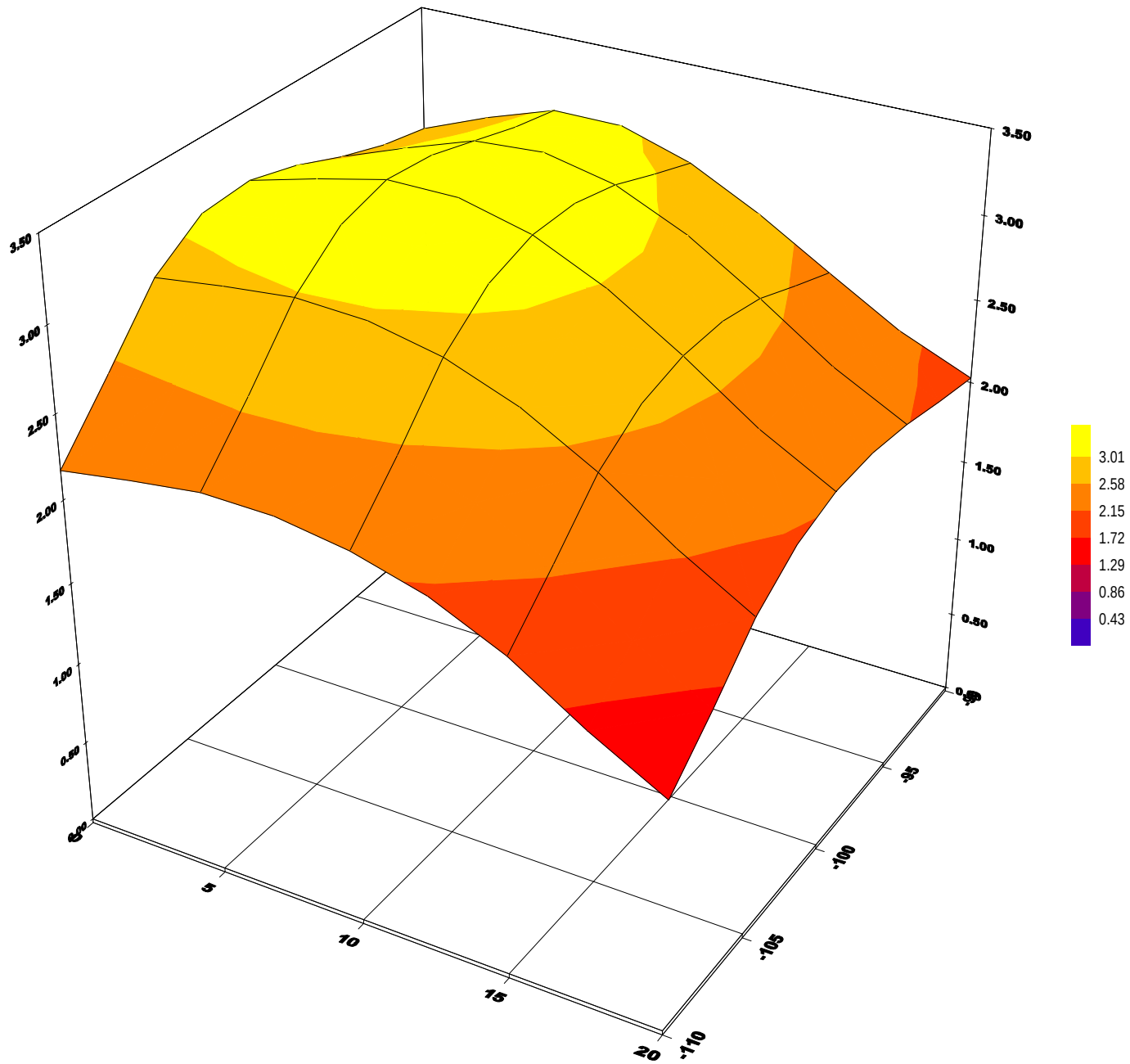
X = 5 Y = -100

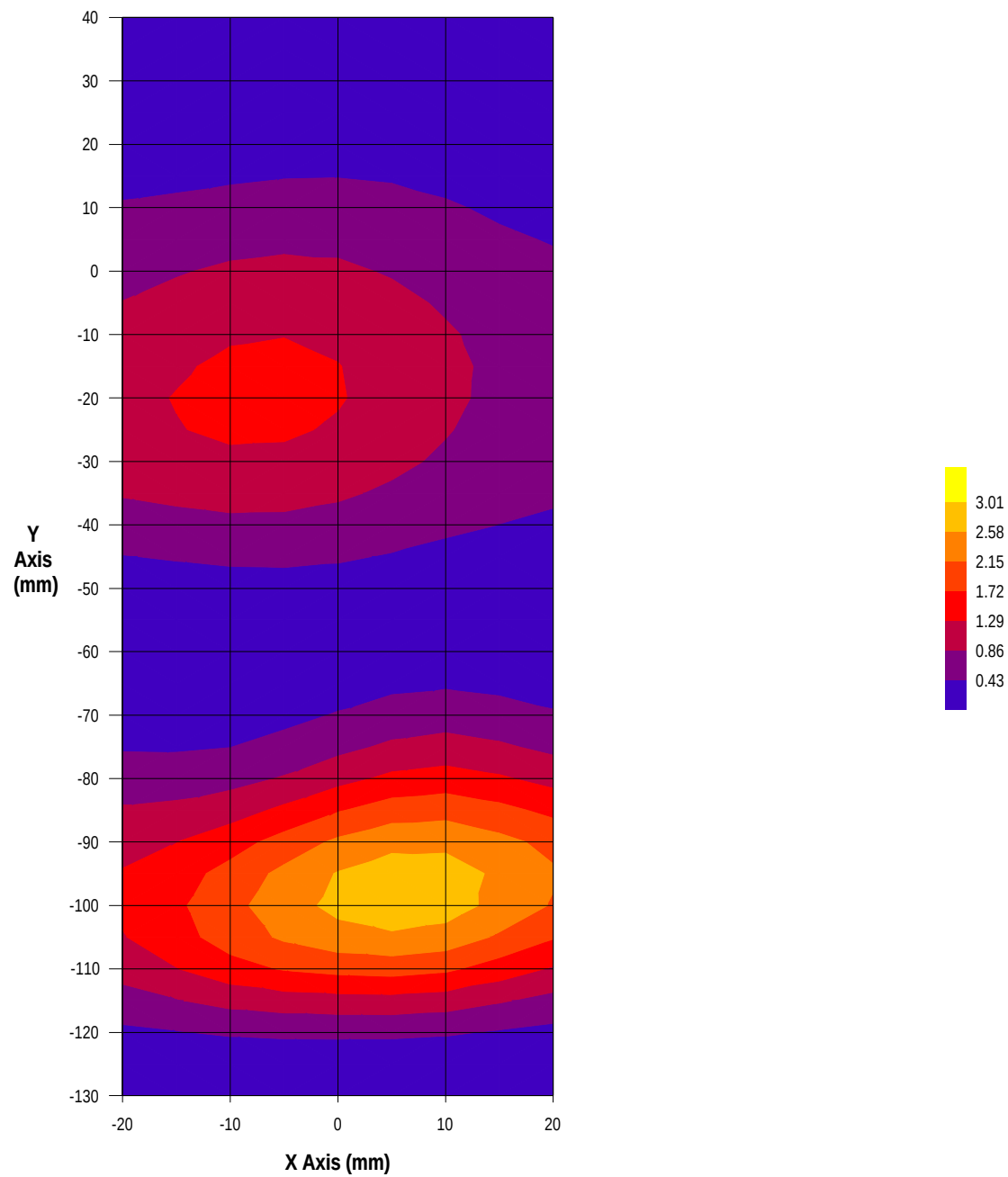
Measured Values (mV) :

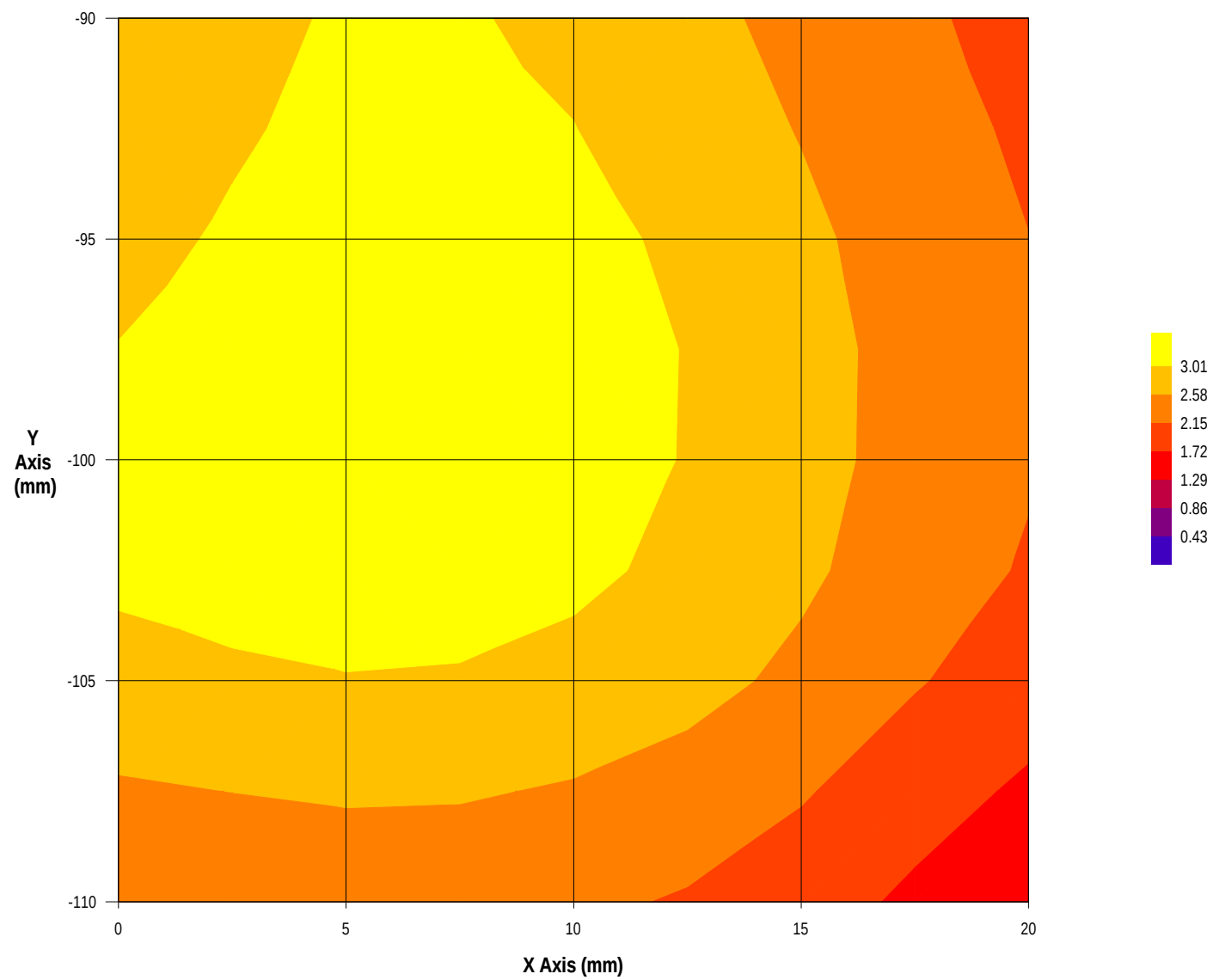
3.58	3.21	2.87	2.61	2.41	2.22
2.05	1.86	1.73	1.07	1.52	

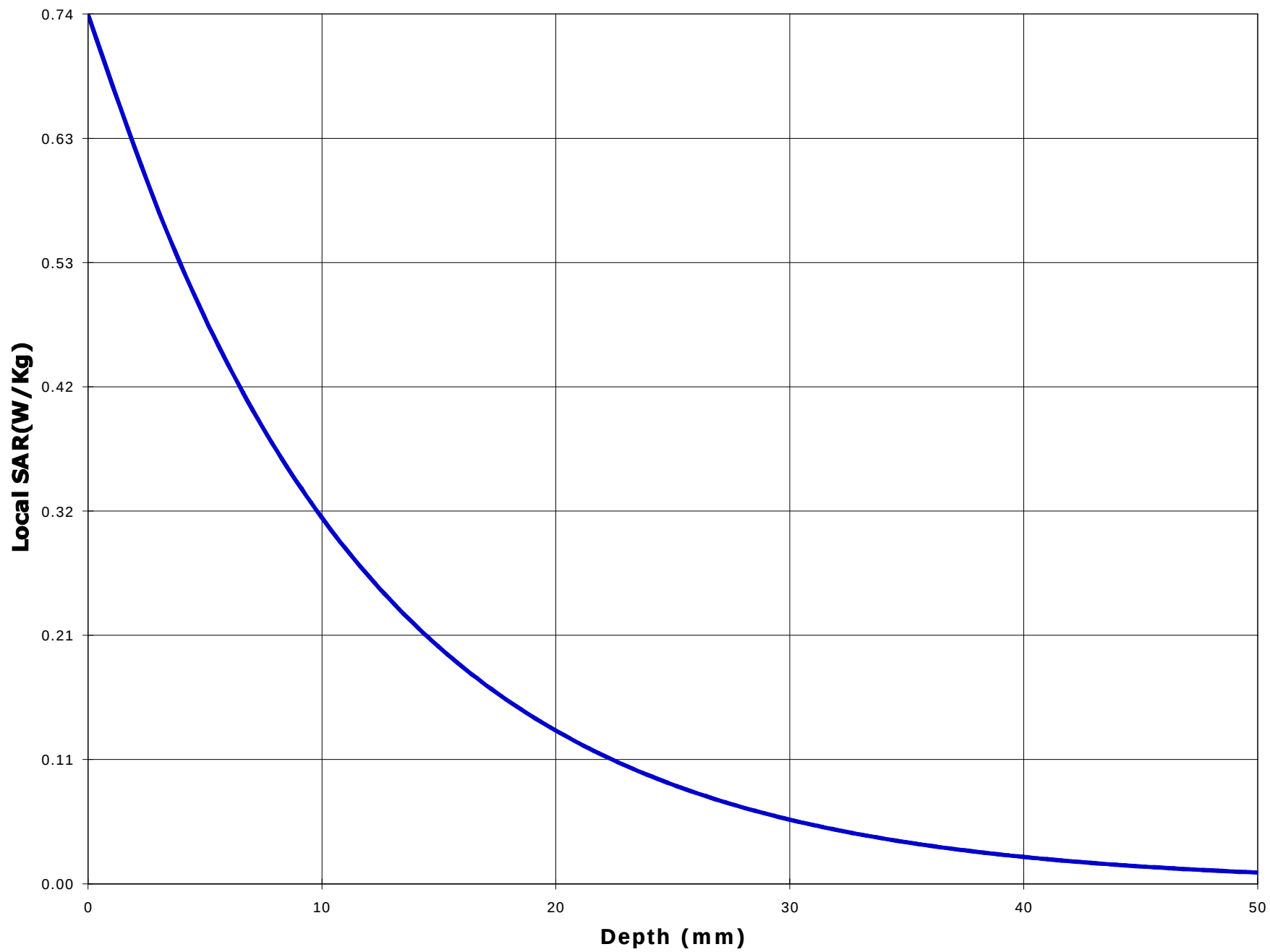
Peak Voltage (mV) : 4.32 1 Cm Voltage (mV) : 1.81 SAR (W/Kg) : 0.45

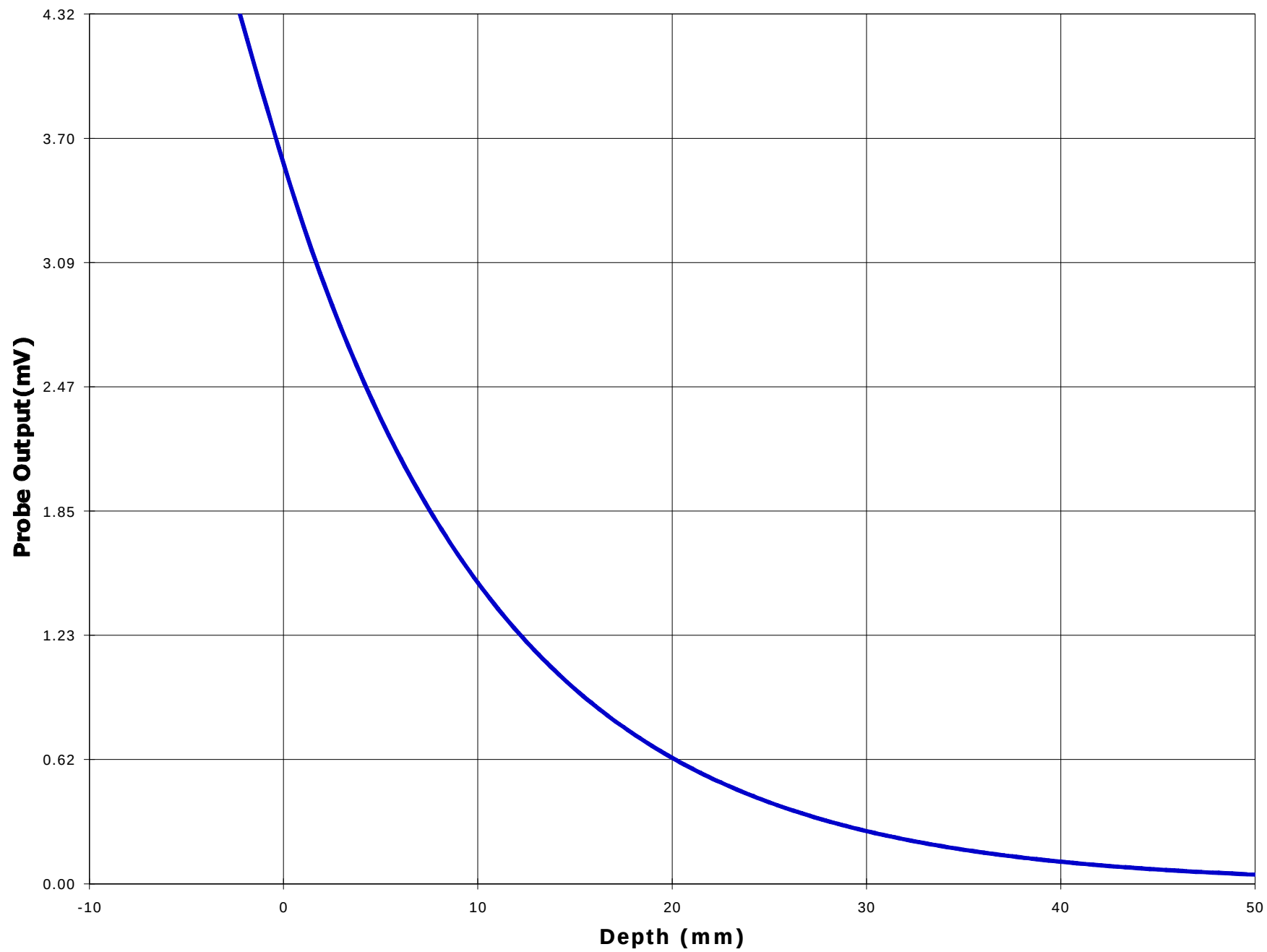












Test Information

Date : 2/14/00
Time : 4:53:09 PM

<u>Product</u>	: Cellular Phone	<u>Test</u>	: SAR
<u>Manufacturer</u>	: Mitsubishi	<u>Frequency (MHz)</u>	: 1880
<u>Model Number</u>	: MT-253	<u>Nominal Output Power (W)</u>	: 0.600
<u>Serial Number</u>	: 1234	<u>Antenna Type</u>	: 1/2 Wave
<u>FCC ID Number</u>	: BGBMT254XF0R6A	<u>Signal</u>	: TDMA

<u>Phantom</u>	: Waist	<u>Dielectric Constant</u>	: 56.6
<u>Simulated Tissue</u>	: Muscle	<u>Conductivity</u>	: 1.38

<u>Probe</u>	: ETR225_1_999	<u>Antenna Position</u>	: IN
<u>Probe Offset (mm)</u>	: 2.3	<u>Measured Power (W)</u>	: 0.210
<u>Sensor Factor (mV)</u>	: 10.8	<u>(conducted)</u>	
<u>Conversion Factor</u>	: 1.85	<u>Cable Insertion Loss (dB)</u>	: 1.2
<u>Calibrated Date</u>	: 11/23/99	<u>Compensated Power (W)</u>	: 0.277

Amplifier Setting :

Channel 1 : .00262	Channel 2 : .00255	Channel 3 : .00380
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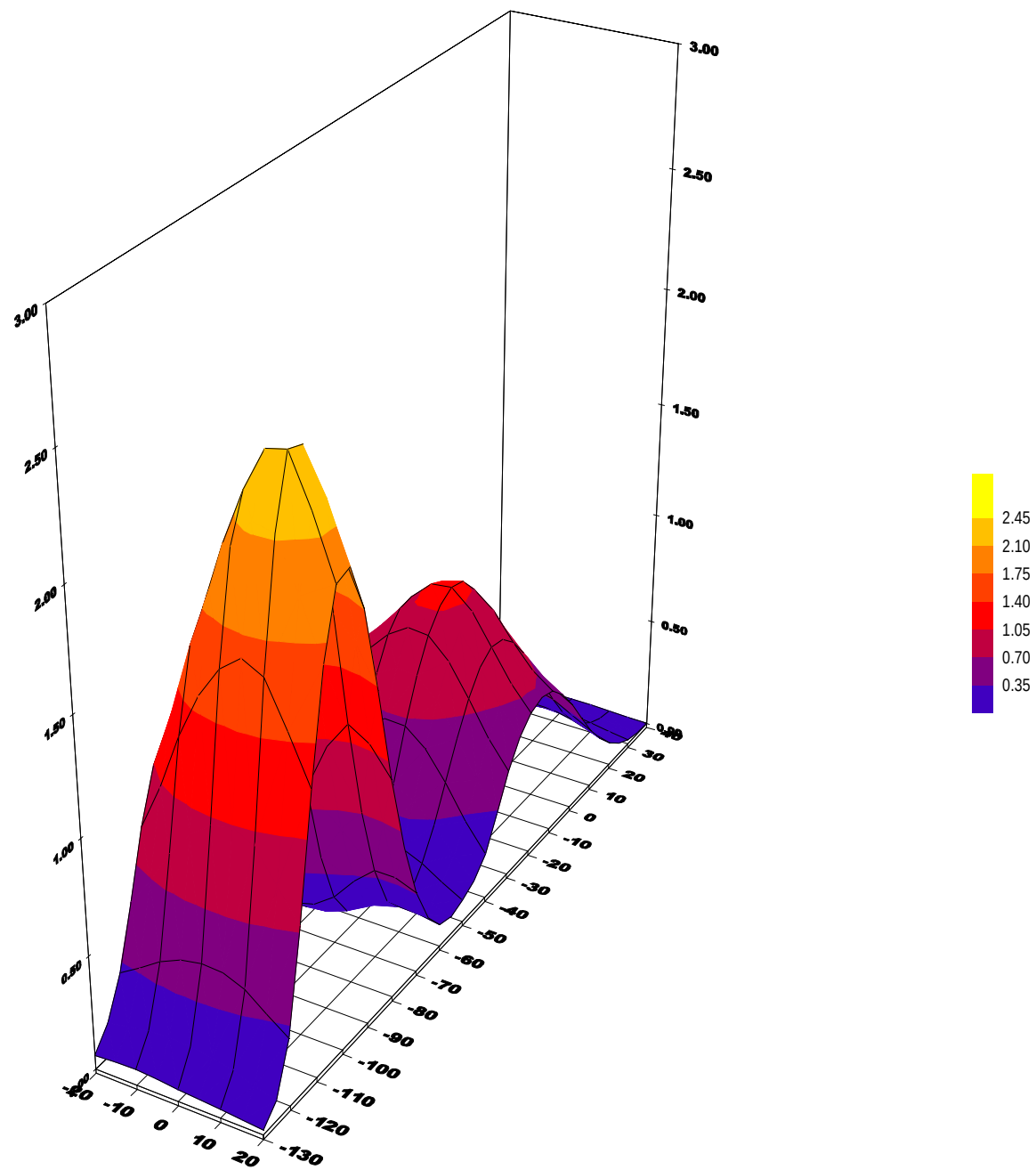
Location of Maximum Field :

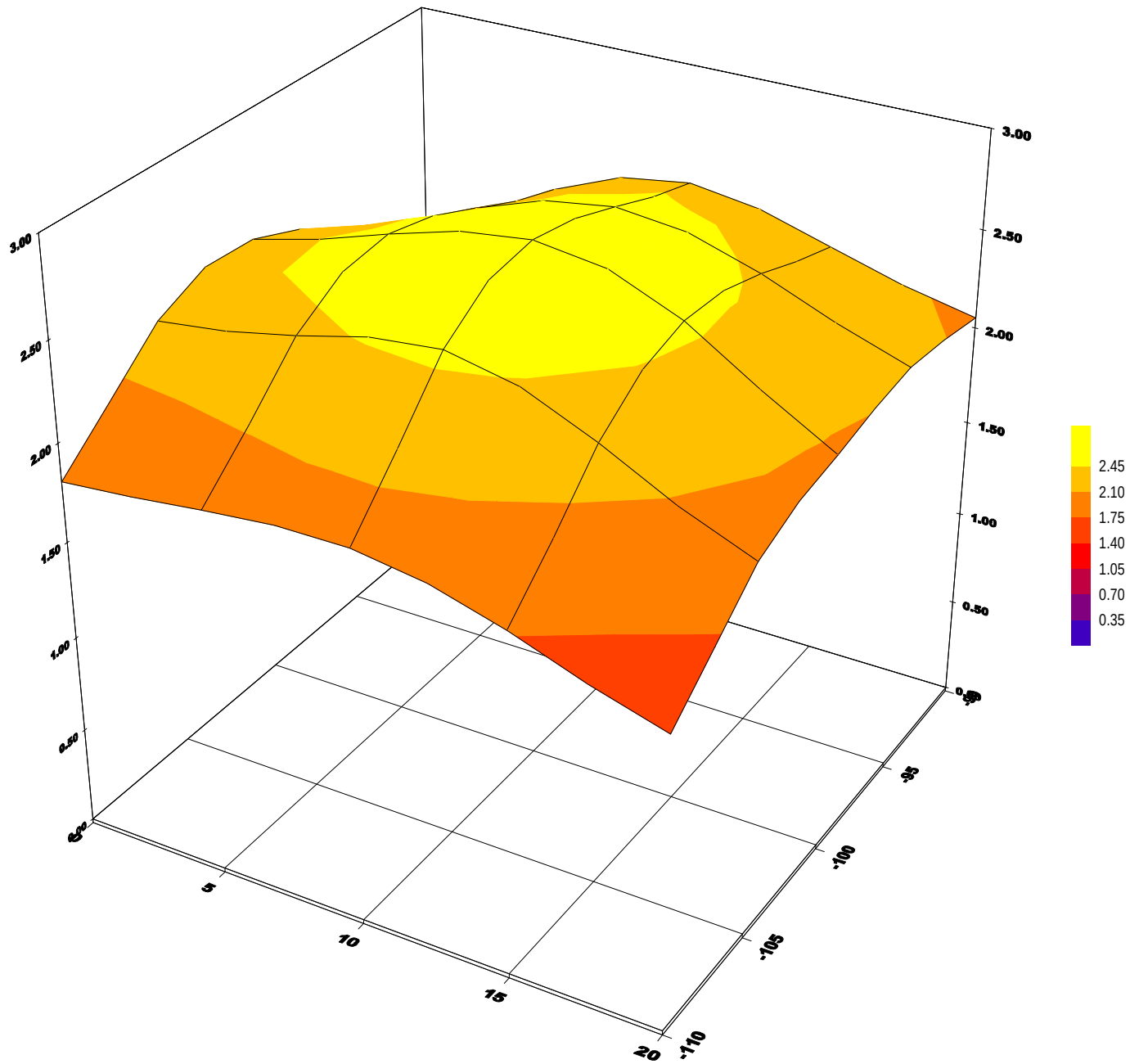
X = 10 Y = -100

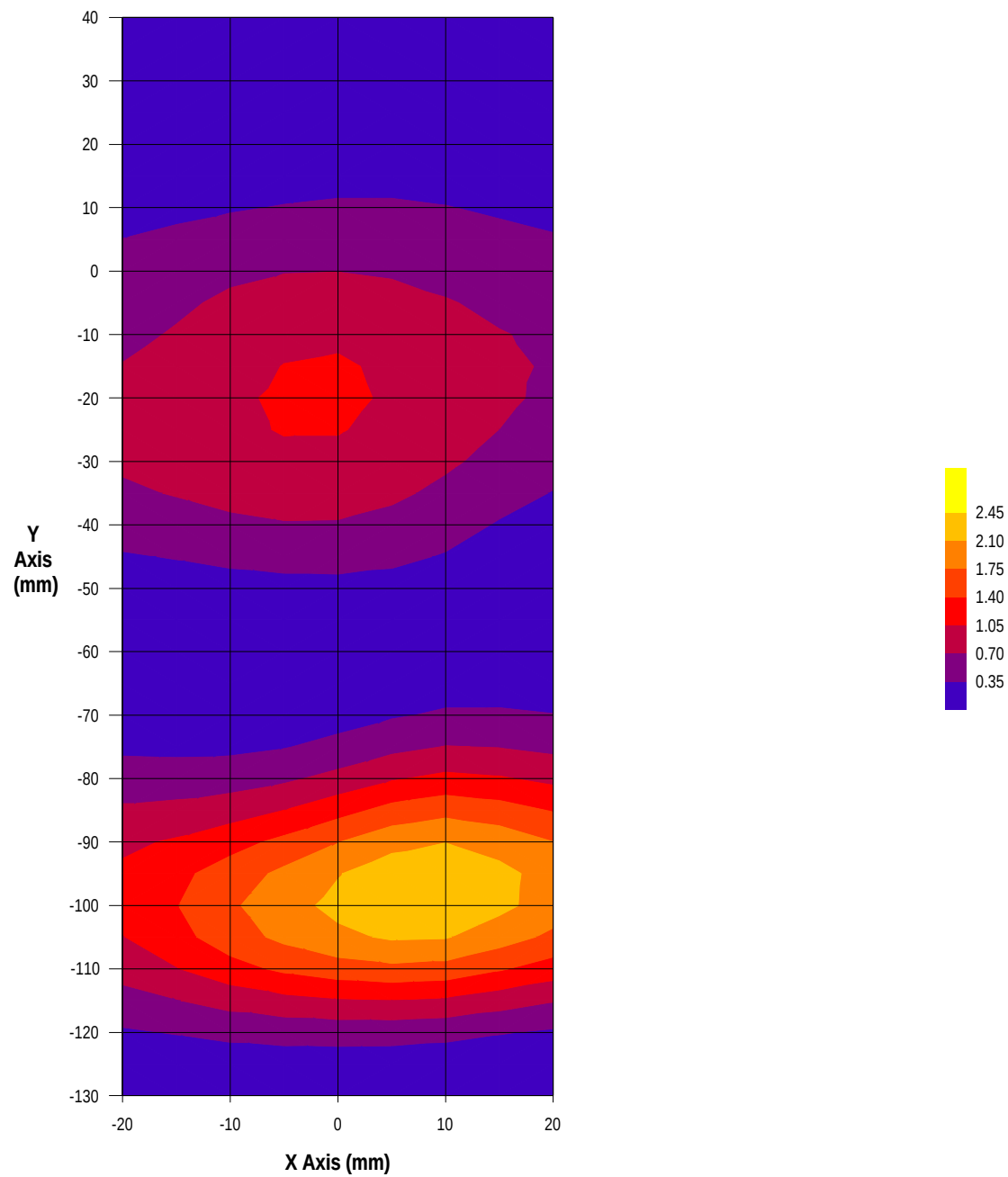
Measured Values (mV) :

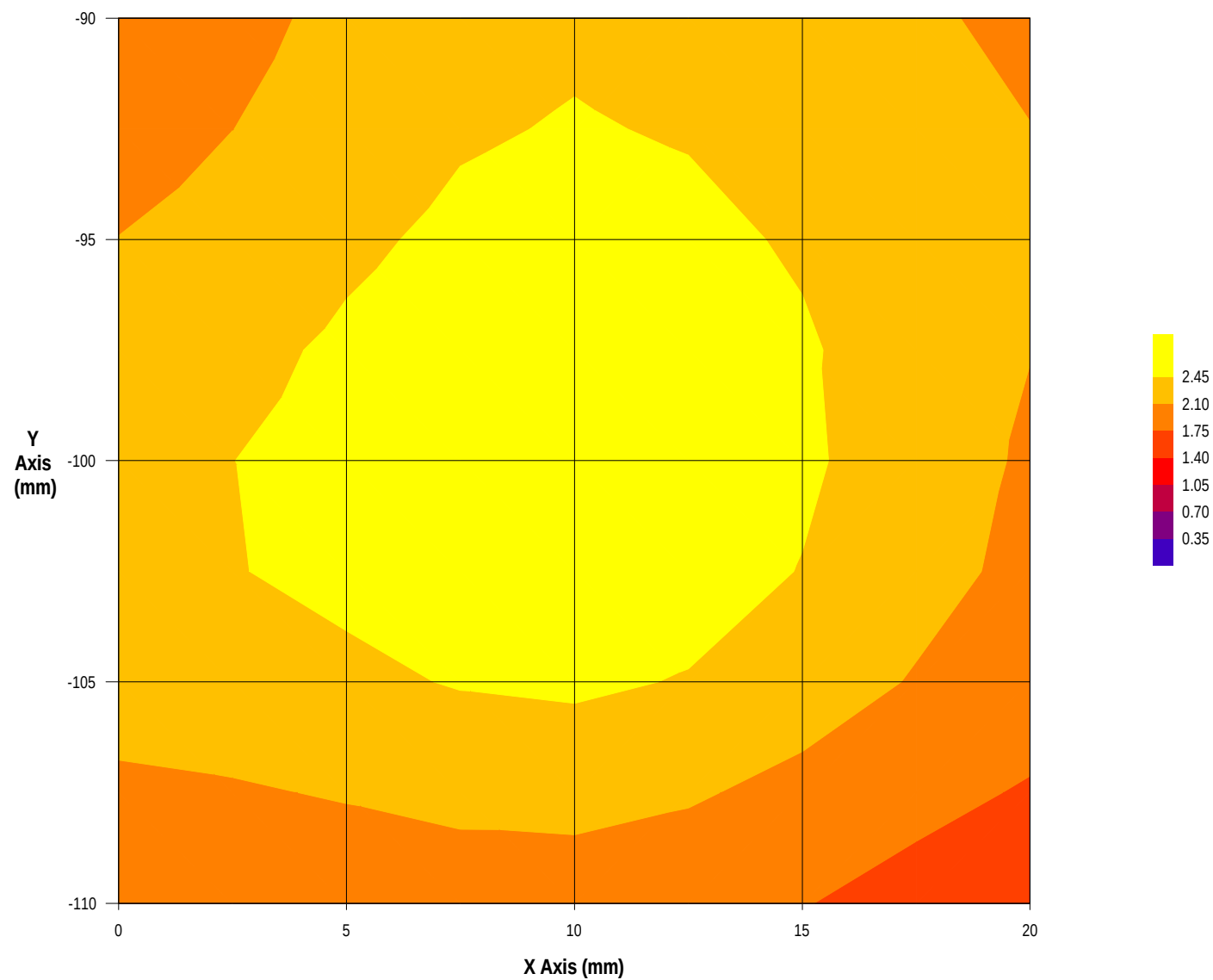
2.83	2.51	2.22	2.02	1.85	1.70
1.56	1.44	1.34	1.23	1.15	

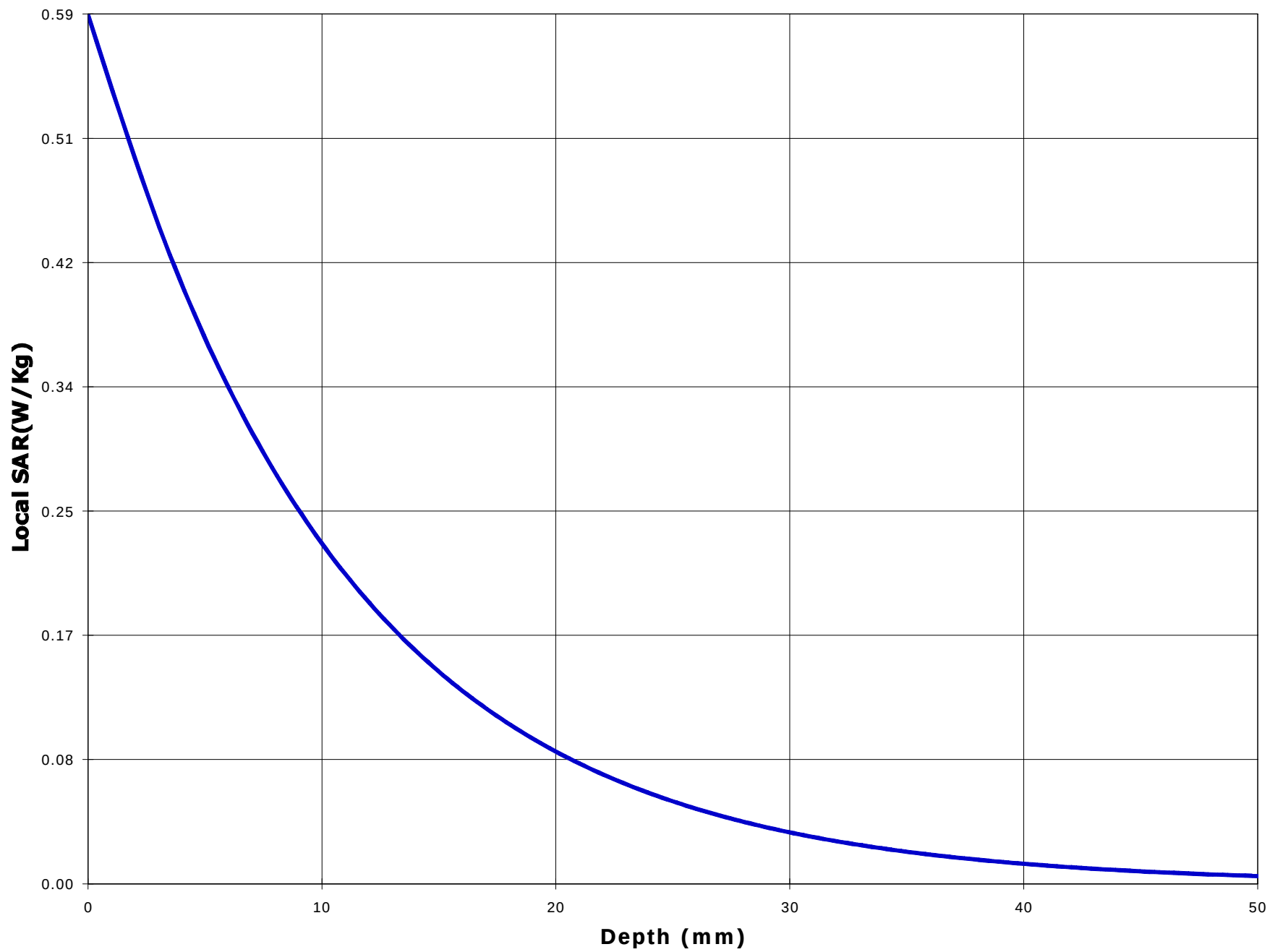
<u>Peak Voltage (mV)</u>	: 3.46	<u>1 Cm Voltage (mV)</u>	: 1.35	<u>SAR (W/Kg)</u>	: 0.36
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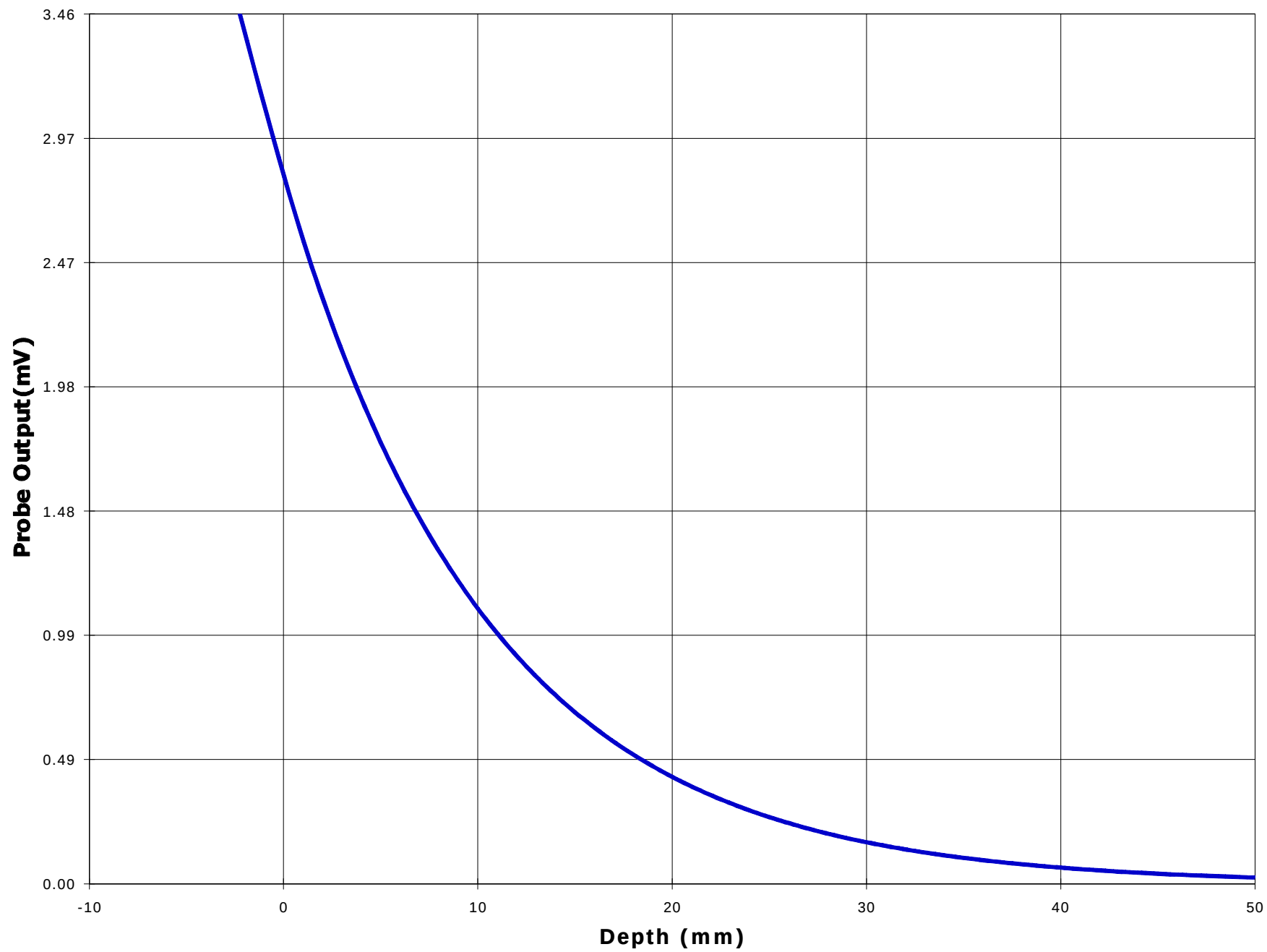












Test Information

Date : 2/14/00
Time : 5:12:47 PM

Product : Cellular Phone
Manufacturer : Mitsubishi
Model Number : MT-253
Serial Number : 1234
FCC ID Number : BGBMT254XF06A

Test : SAR
Frequency (MHz) : 1910
Nominal Output Power (W) : 0.600
Antenna Type : 1/2 Wave
Signal : TDMA

Phantom : Waist
Simulated Tissue : Muscle

Dielectric Constant : 56.6
Conductivity : 1.38

Probe : ETR225_1_999
Probe Offset (mm) : 2.3
Sensor Factor (mV) : 10.8
Conversion Factor : 1.85
Calibrated Date : 11/23/99

Antenna Position : IN
Measured Power (W) : 0.219
(conducted)
Cable Insertion Loss (dB) : 1.2
Compensated Power (W) : 0.289

Amplifier Setting :

Channel 1 : .00262 Channel 2 : .00255 Channel 3 : .00380

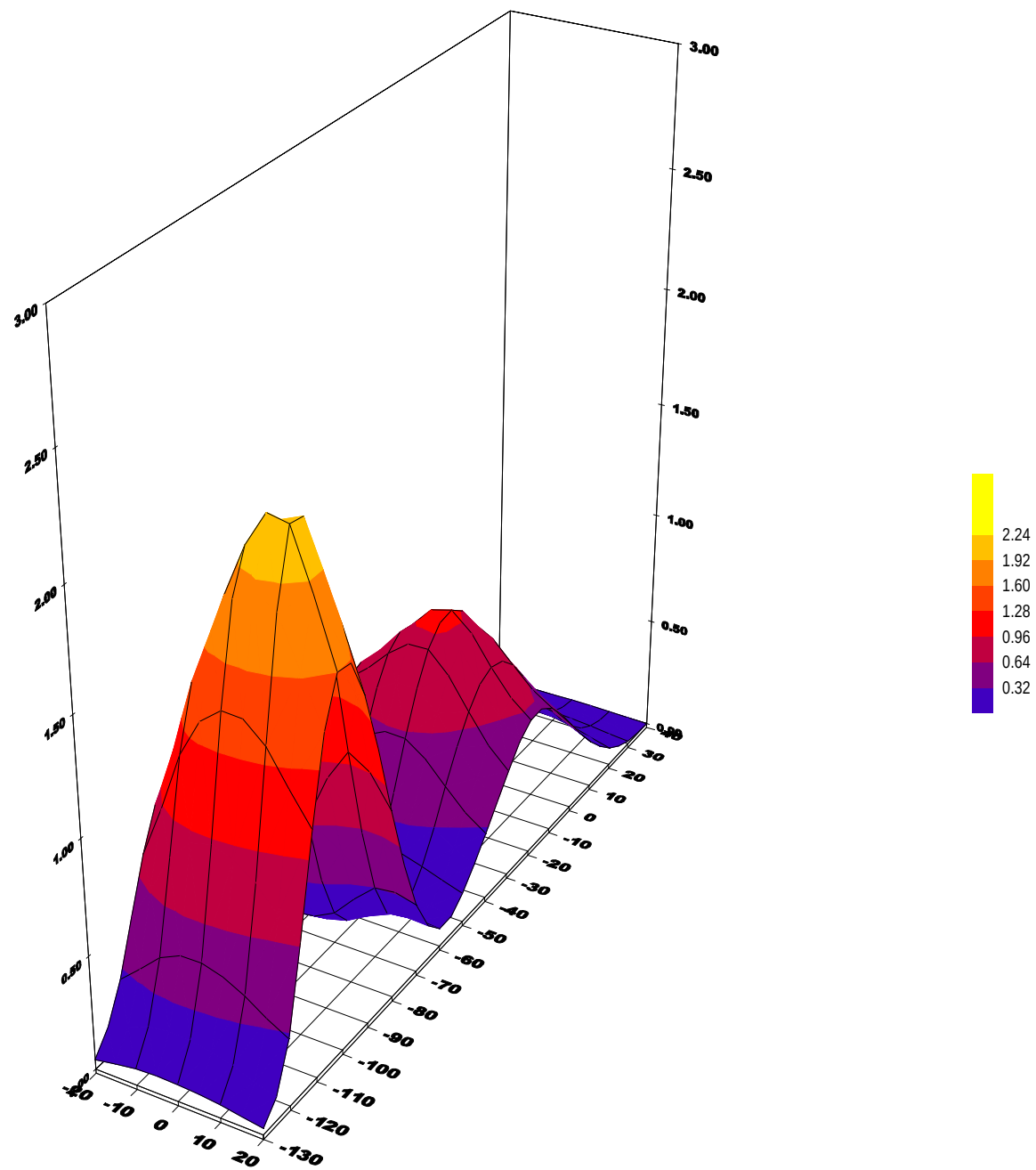
Location of Maximum Field :

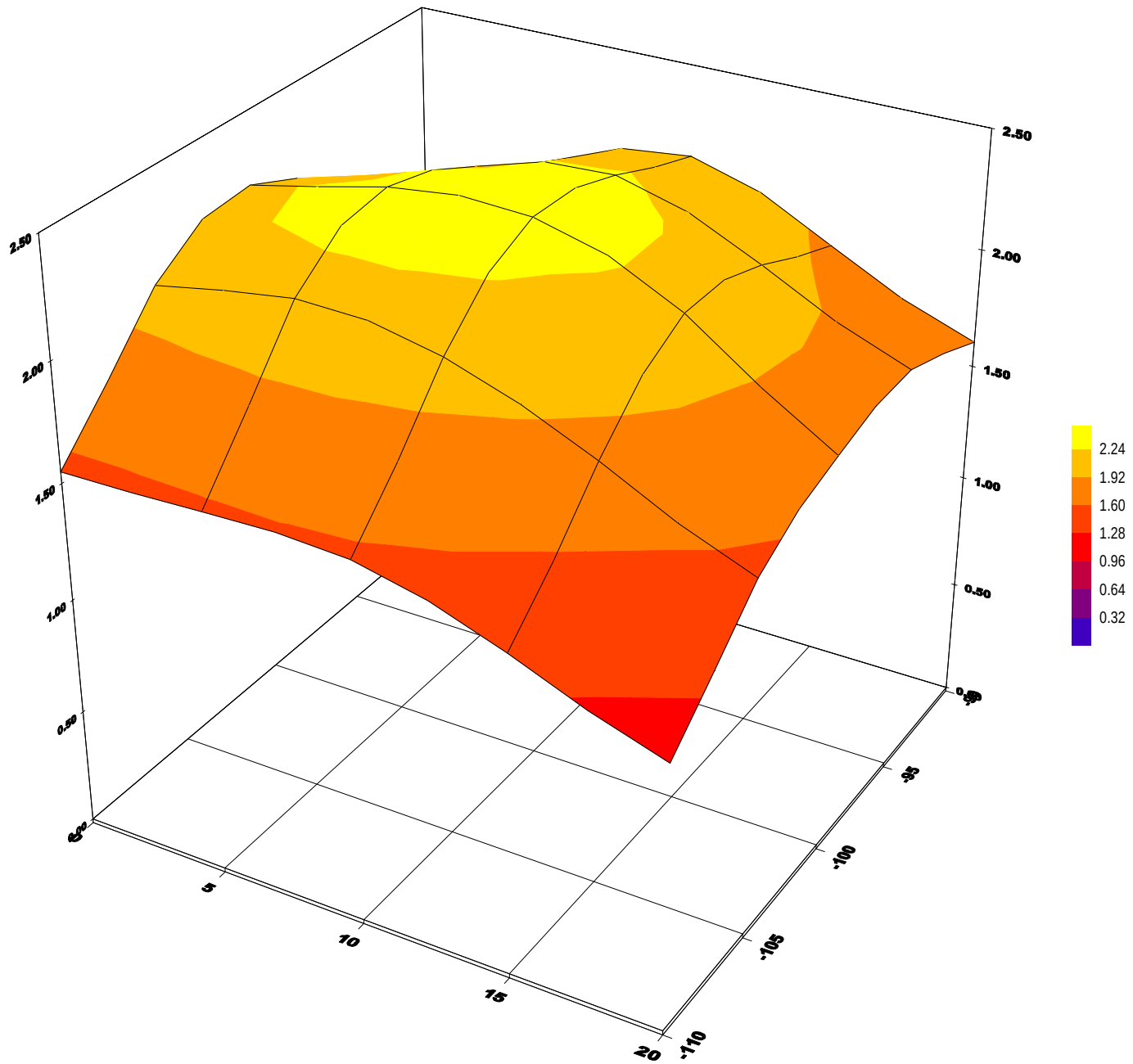
X = 10 Y = -100

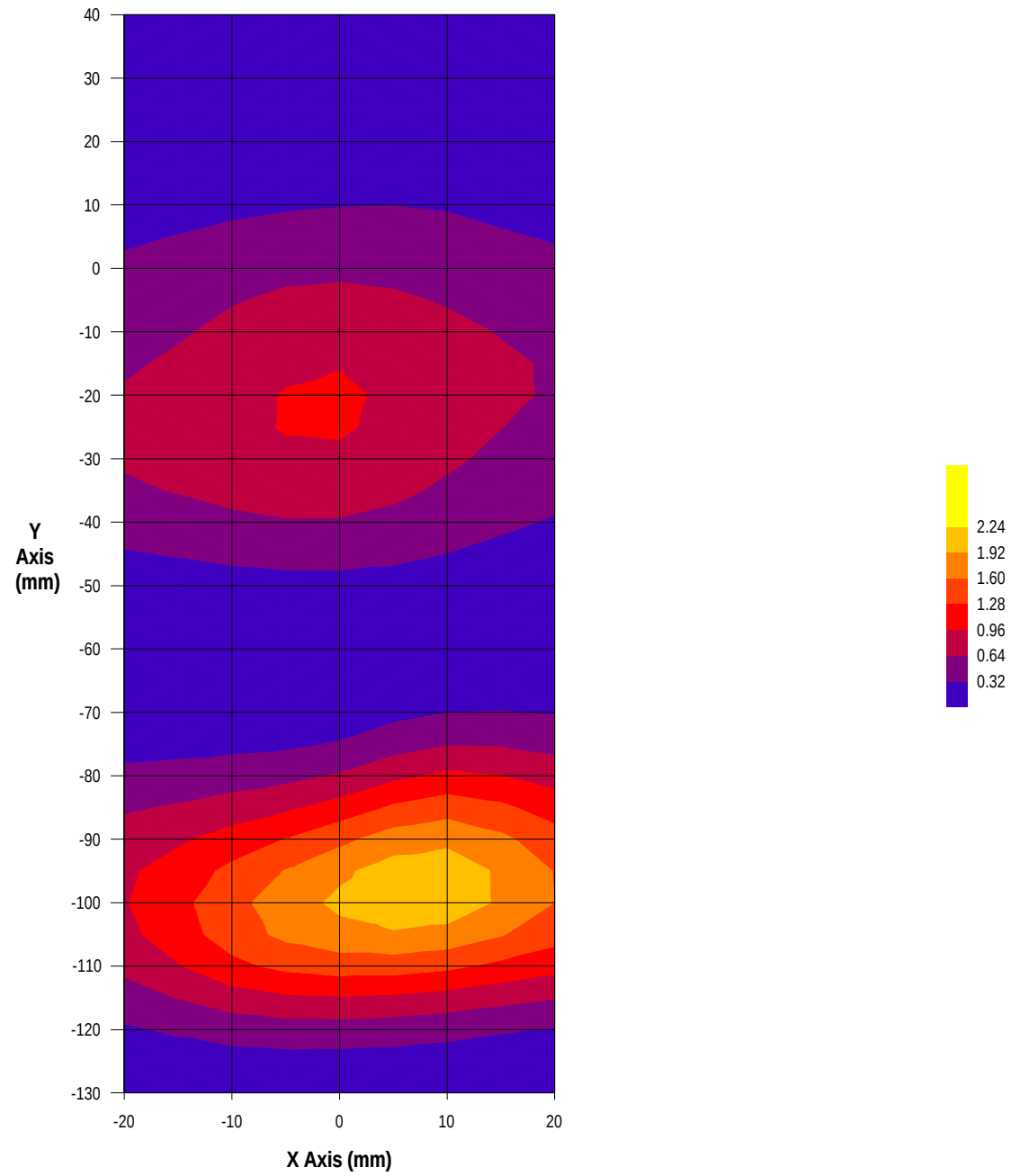
Measured Values (mV) :

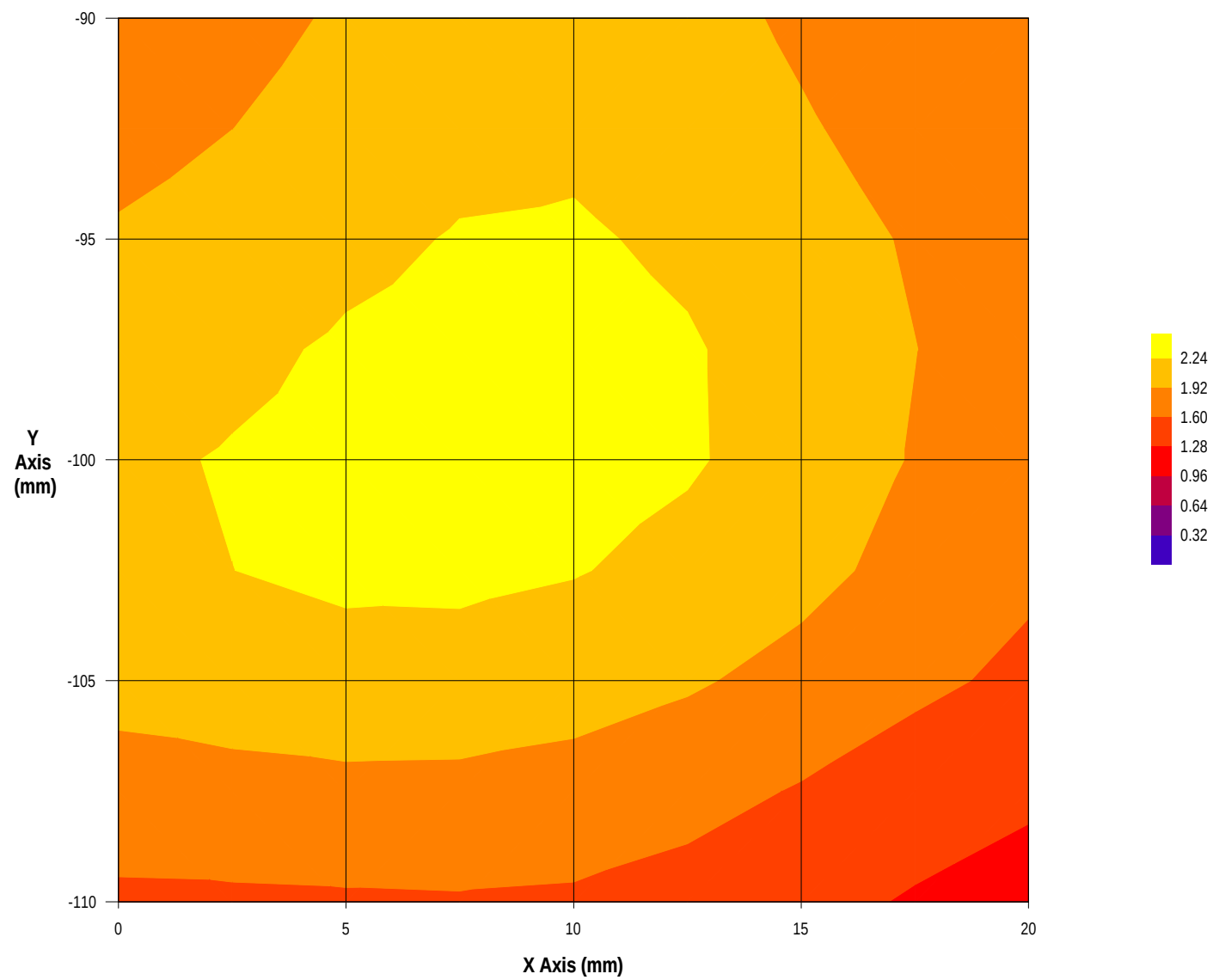
2.58	2.32	2.04	1.83	1.66	1.51
1.37	1.25	1.15	1.05	0.97	

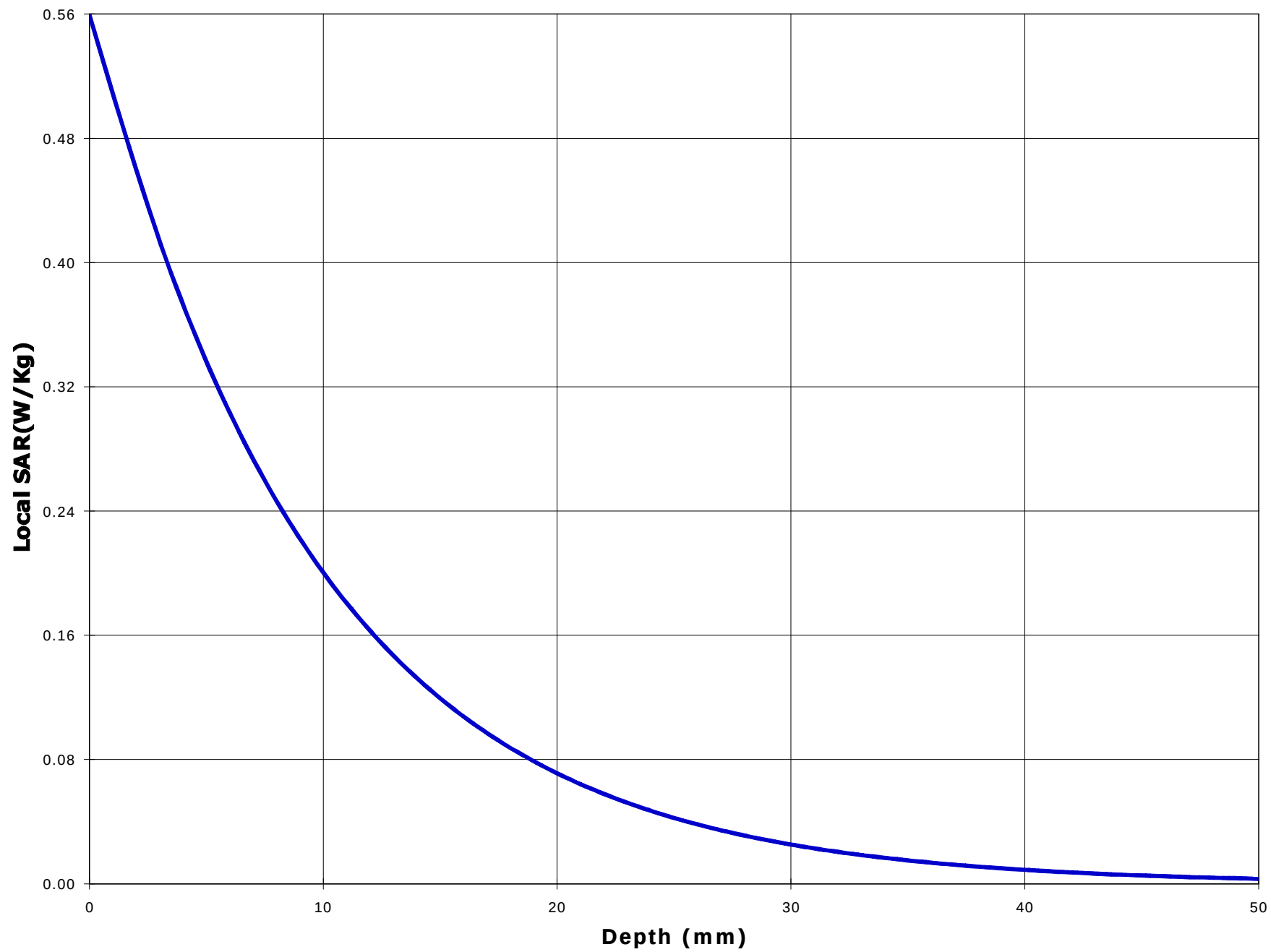
Peak Voltage (mV) : 3.25 1 Cm Voltage (mV) : 1.15 SAR (W/Kg) : 0.31

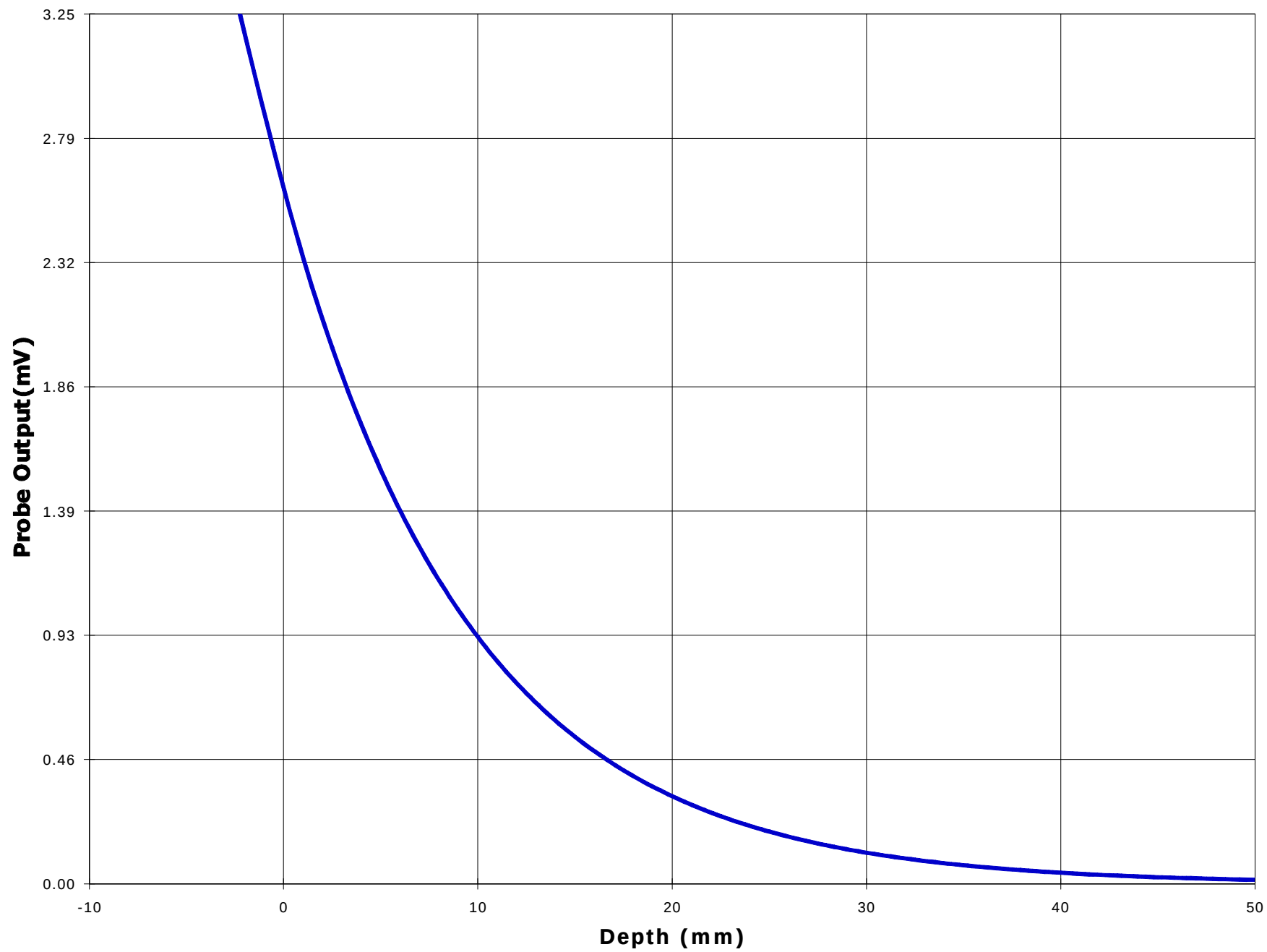












Test Information

Date : 2/14/00
Time : 5:31:29 PM

Product : Cellular Phone
Manufacturer : Mitsubishi
Model Number : MT-253
Serial Number : 1234
FCC ID Number : BGBMT254XF0R6A

Test : SAR
Frequency (MHz) : 1850
Nominal Output Power (W) : 0.600
Antenna Type : 1/2 Wave
Signal : TDMA

Phantom : Waist
Simulated Tissue : Muscle

Dielectric Constant : 56.6
Conductivity : 1.38

Probe : ETR225_1_999
Probe Offset (mm) : 2.3
Sensor Factor (mV) : 10.8
Conversion Factor : 1.85
Calibrated Date : 11/23/99

Antenna Position : OUT
Measured Power (W) : 0.210
(conducted)
Cable Insertion Loss (dB) : 1.2
Compensated Power (W) : 0.277

Amplifier Setting :

Channel 1 : .00262 Channel 2 : .00255 Channel 3 : .00380

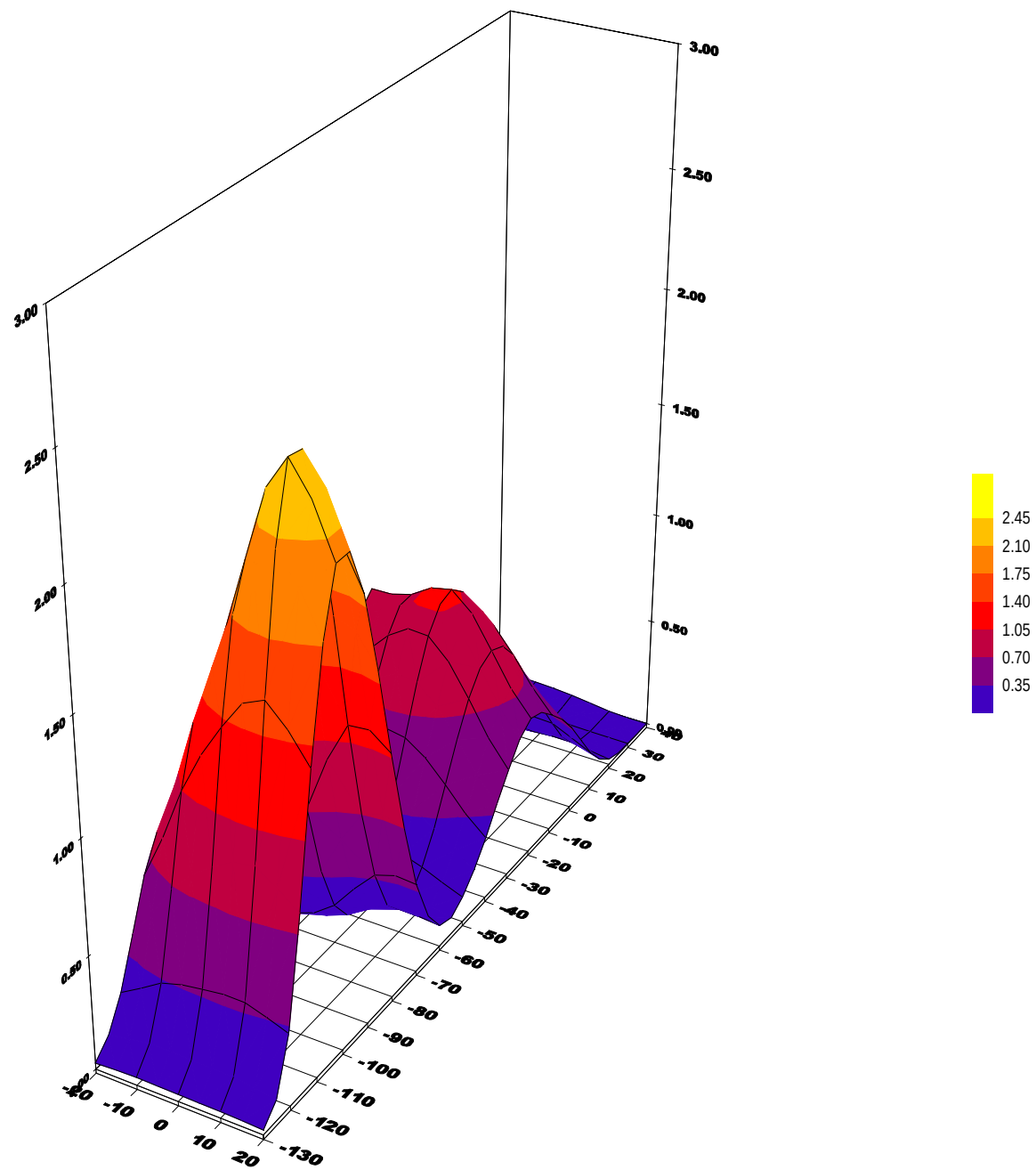
Location of Maximum Field :

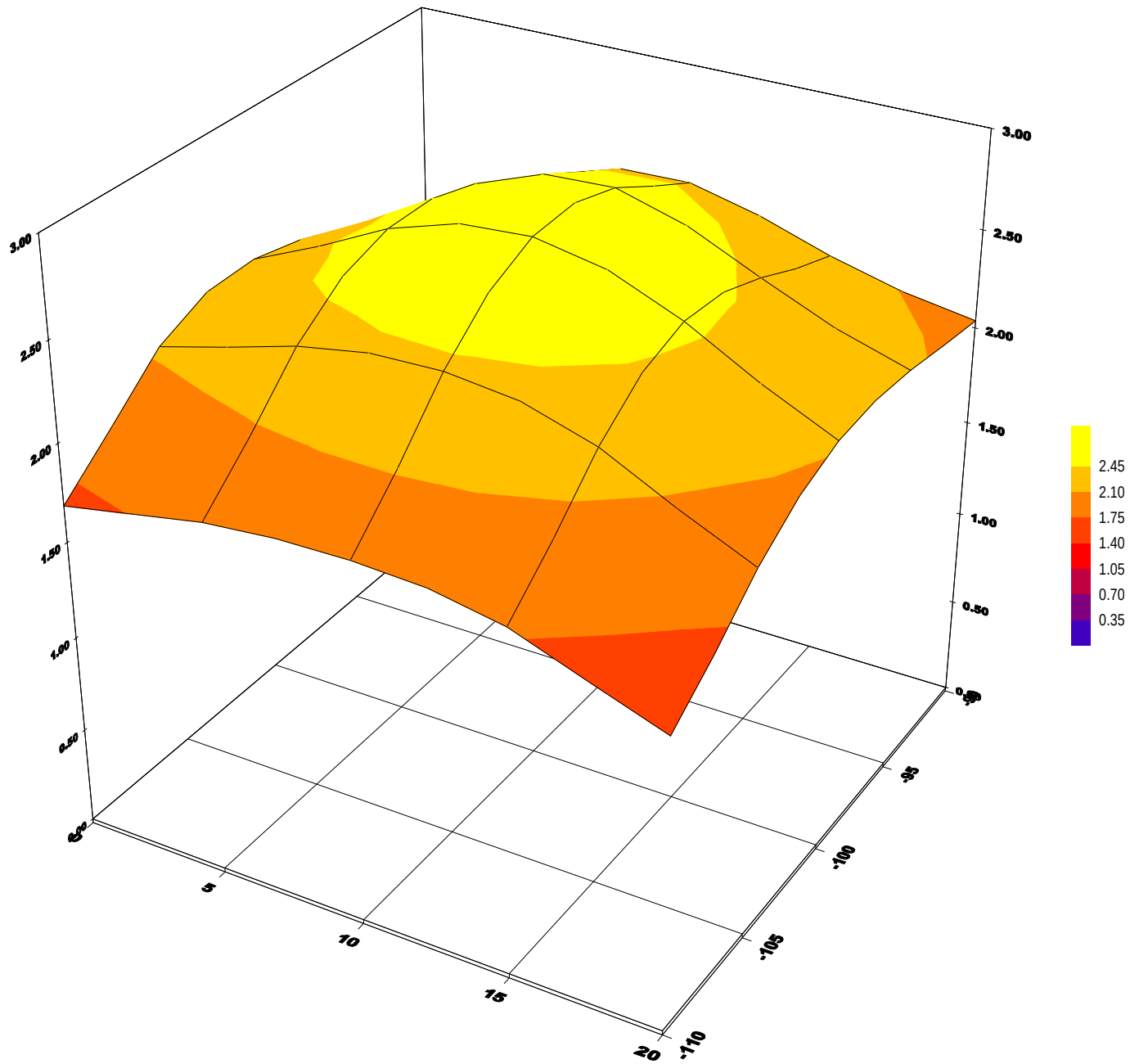
X = 10 Y = -100

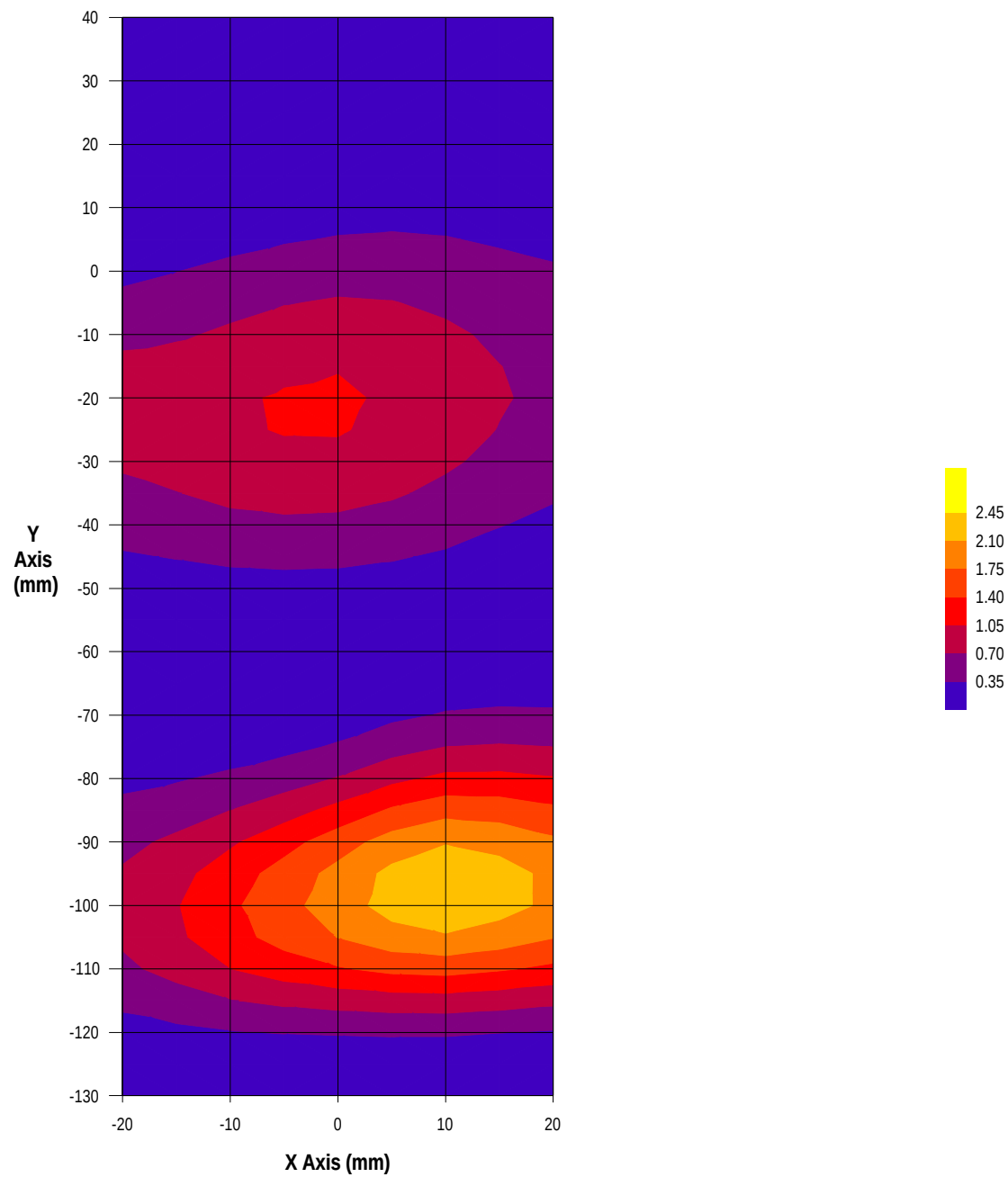
Measured Values (mV) :

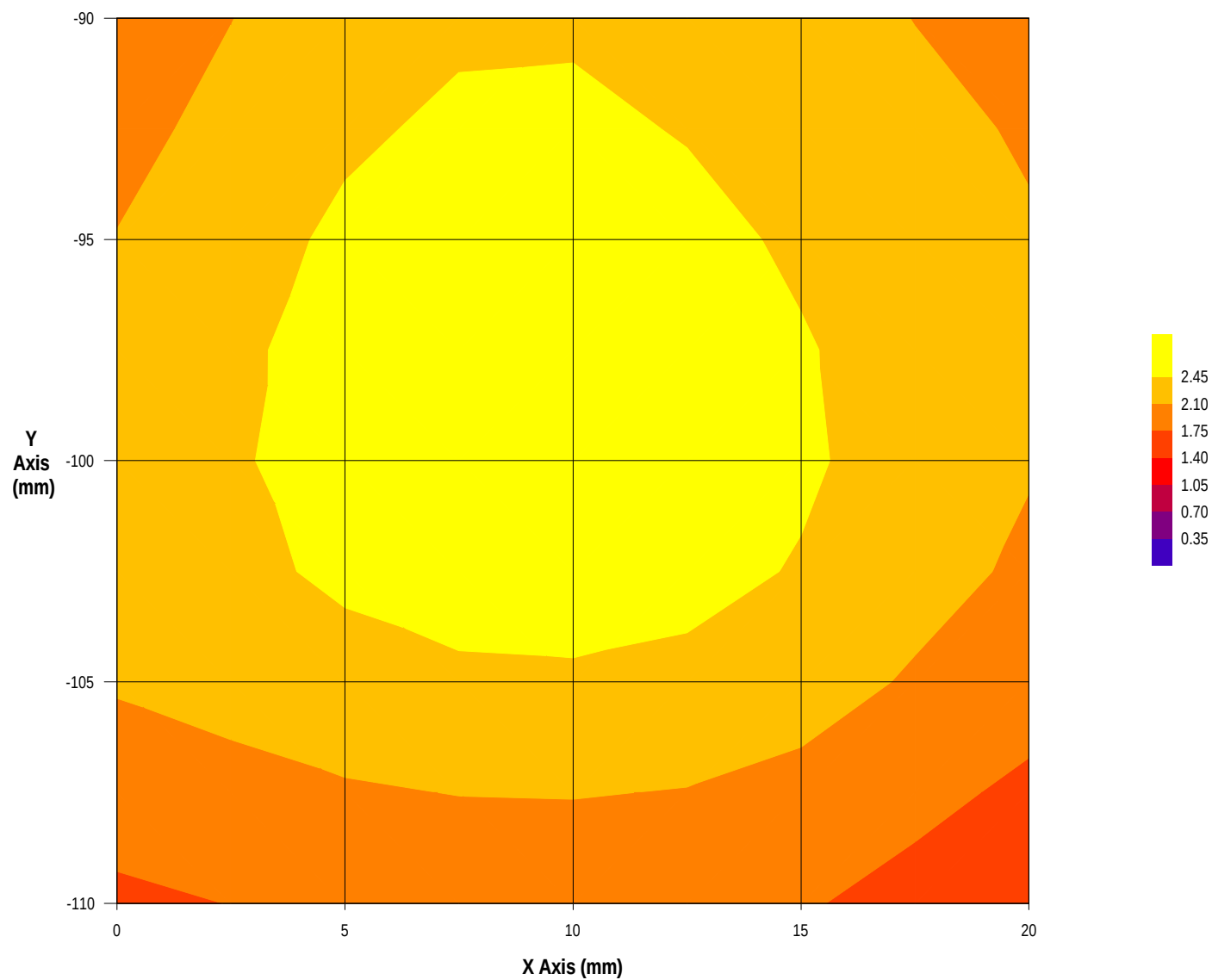
2.77	2.65	2.34	2.12	1.94	1.78
1.63	1.51	1.40	1.29	1.21	

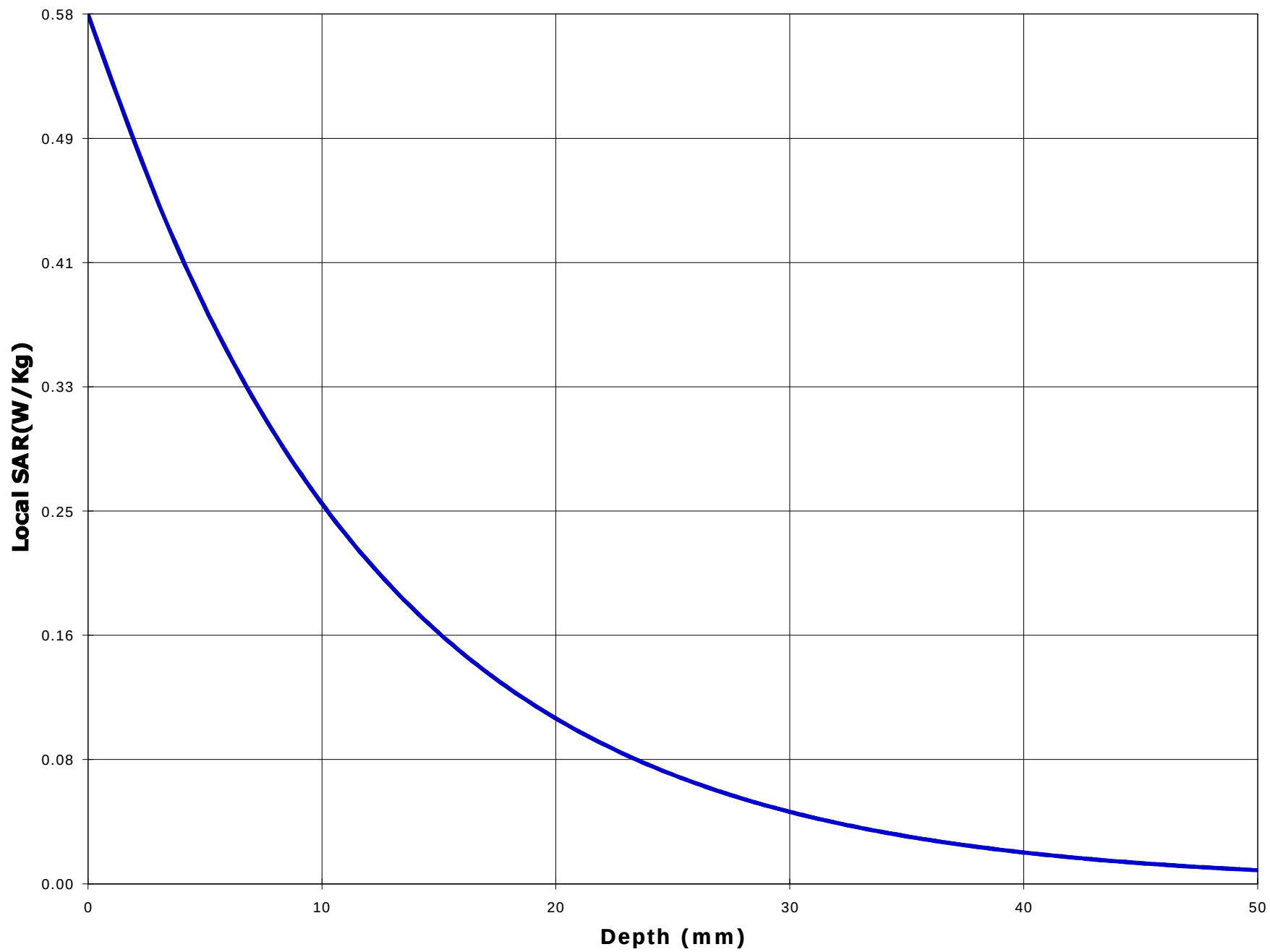
Peak Voltage (mV) : 3.37 1 Cm Voltage (mV) : 1.46 SAR (W/Kg) : 0.37

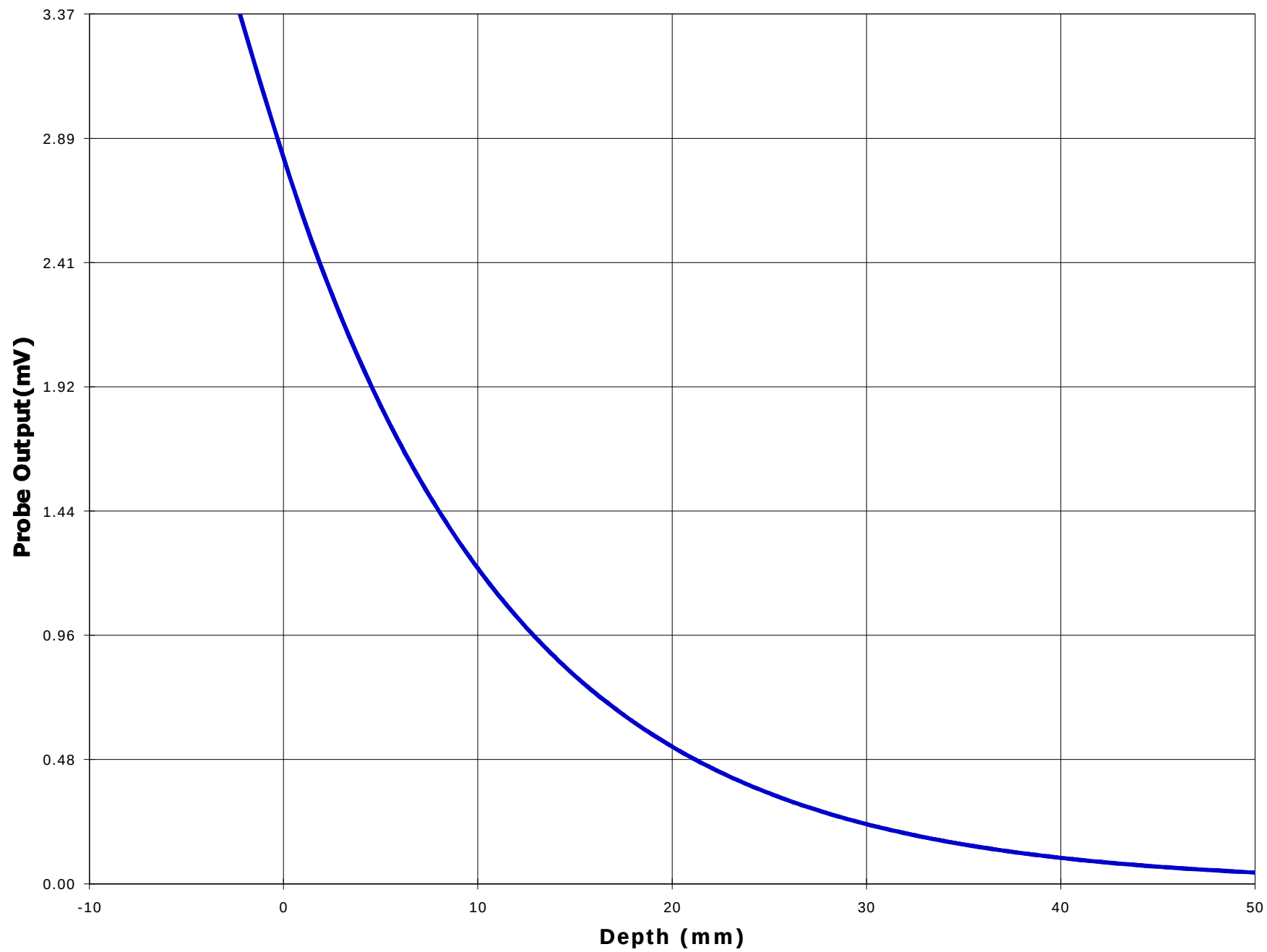












Test Information

Date : 2/14/00
Time : 5:48:24 PM

Product : Cellular Phone
Manufacturer : Mitsubishi
Model Number : MT-253
Serial Number : 1234
FCC ID Number : BGBMT254XF0R6A

Test : SAR
Frequency (MHz) : 1880
Nominal Output Power (W) : 0.600
Antenna Type : 1/2 Wave
Signal : TDMA

Phantom : Waist
Simulated Tissue : Muscle

Dielectric Constant : 56.6
Conductivity : 1.38

Probe : ETR225_1_999
Probe Offset (mm) : 2.3
Sensor Factor (mV) : 10.8
Conversion Factor : 1.85
Calibrated Date : 11/23/99

Antenna Position : OUT
Measured Power (W) : 0.210
(conducted)
Cable Insertion Loss (dB) : 1.2
Compensated Power (W) : 0.277

Amplifier Setting :

Channel 1 : .00262 Channel 2 : .00255 Channel 3 : .00380

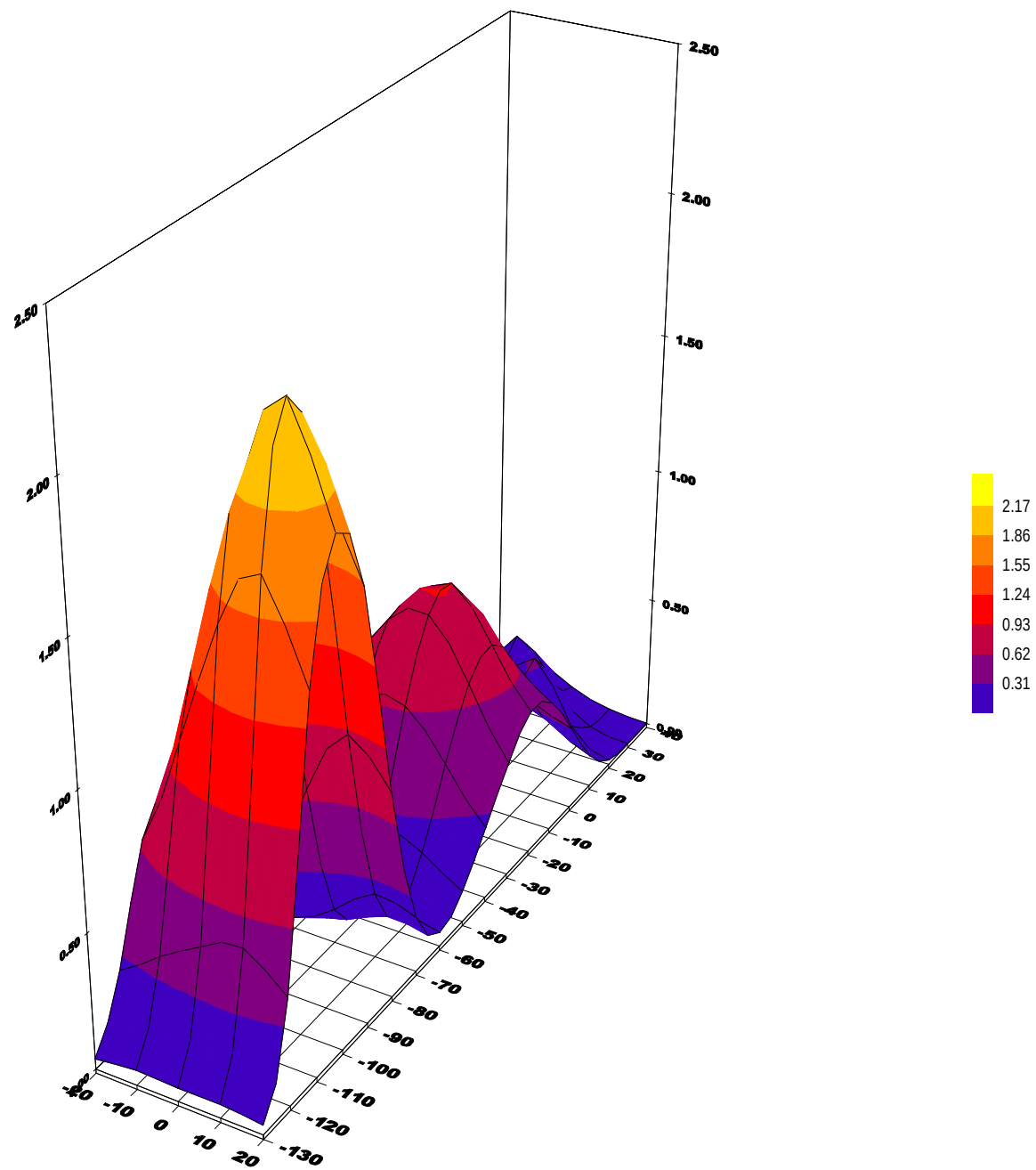
Location of Maximum Field :

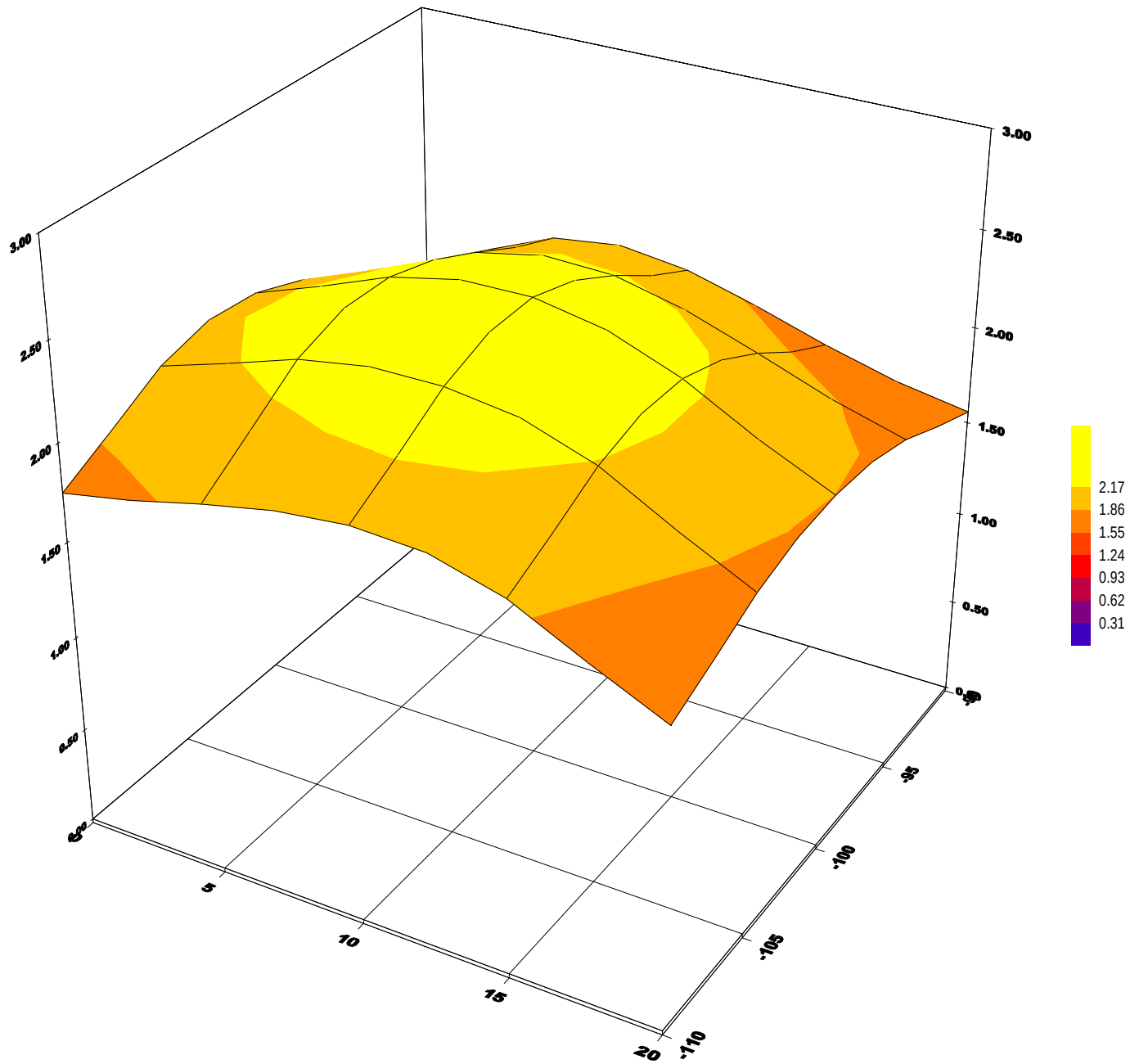
X = 10 Y = -100

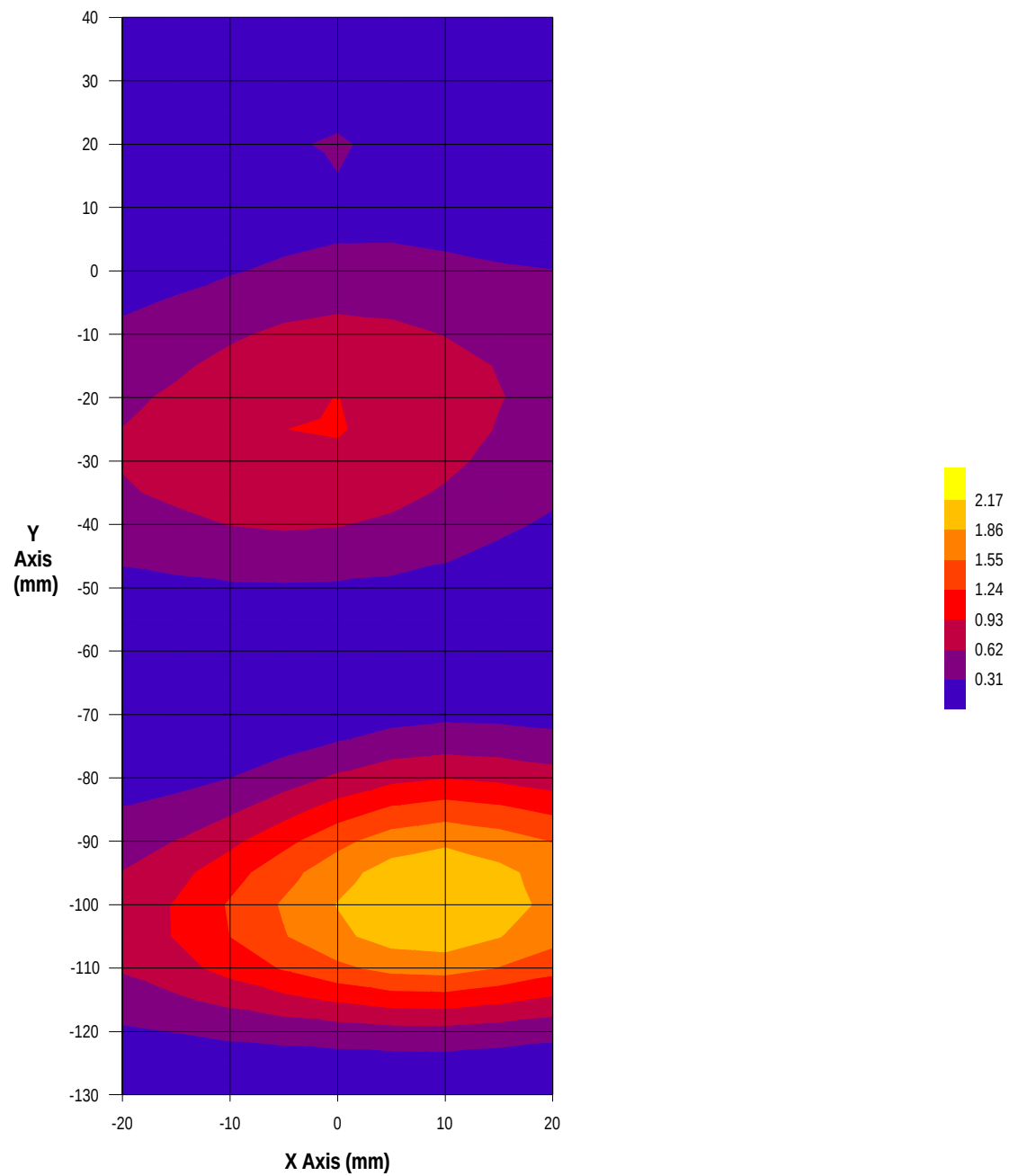
Measured Values (mV) :

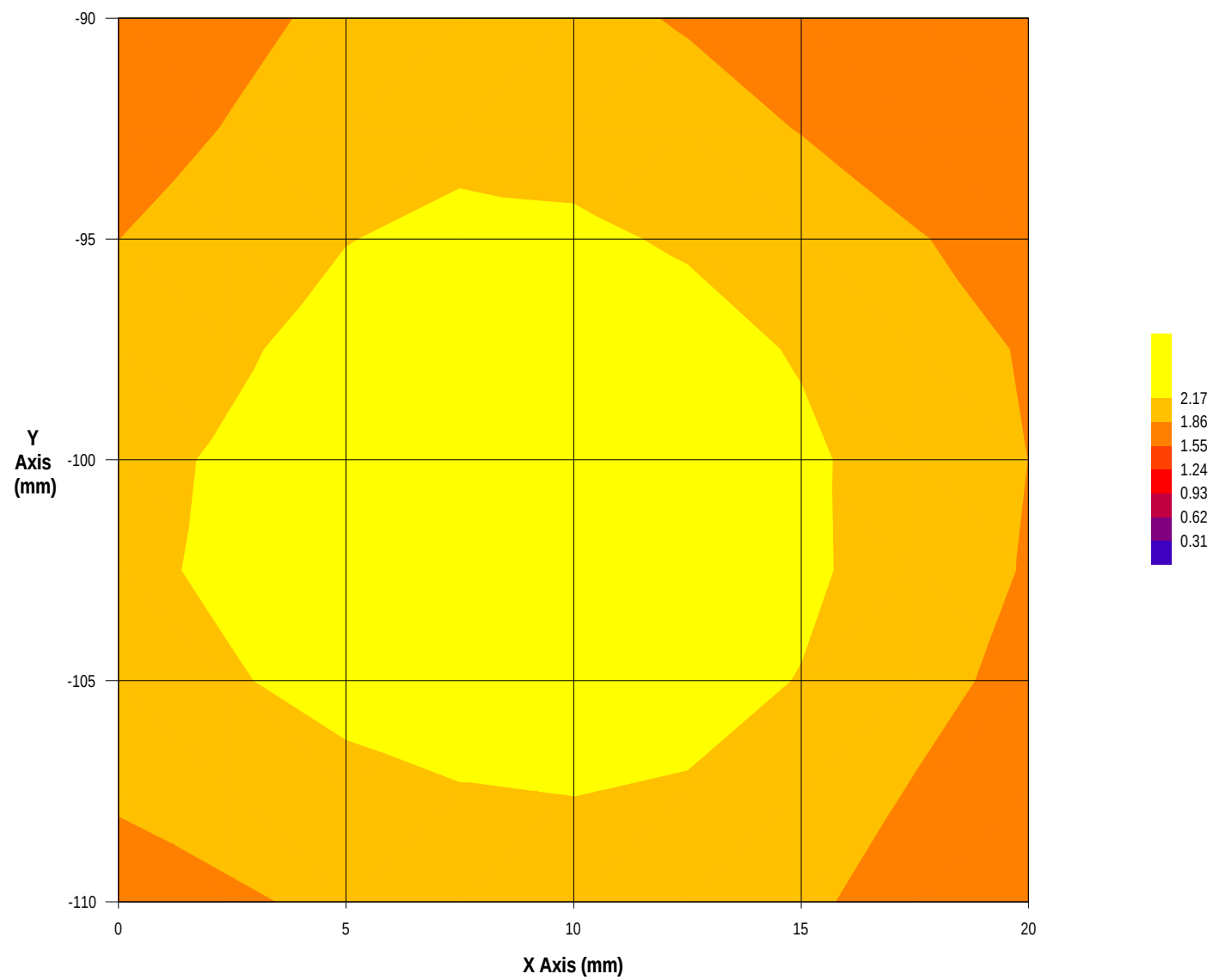
2.41	2.23	1.96	1.79	1.61	1.47
1.34	1.23	1.14	1.06	0.97	

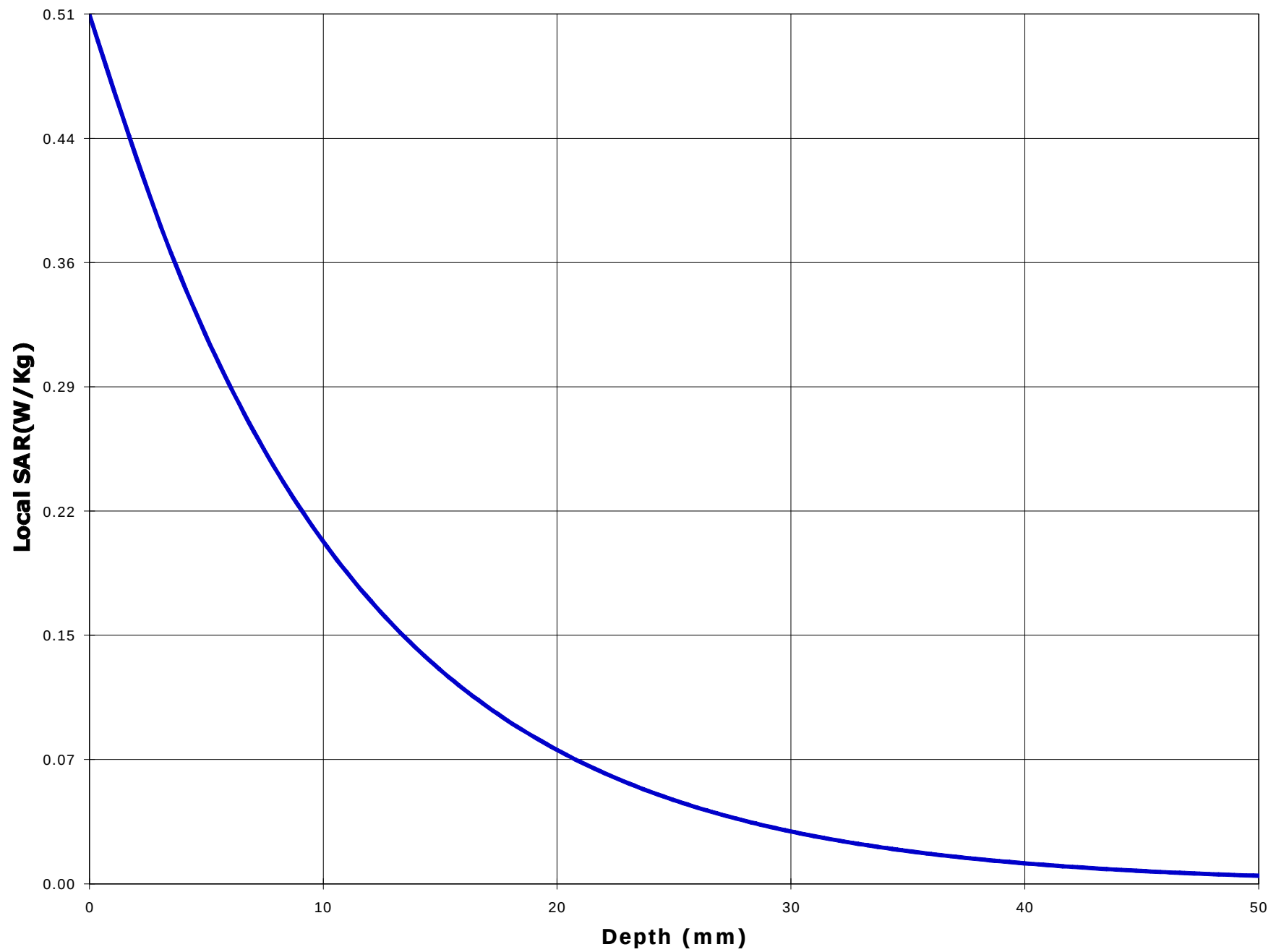
Peak Voltage (mV) : 2.98 1 Cm Voltage (mV) : 1.17 SAR (W/Kg) : 0.33

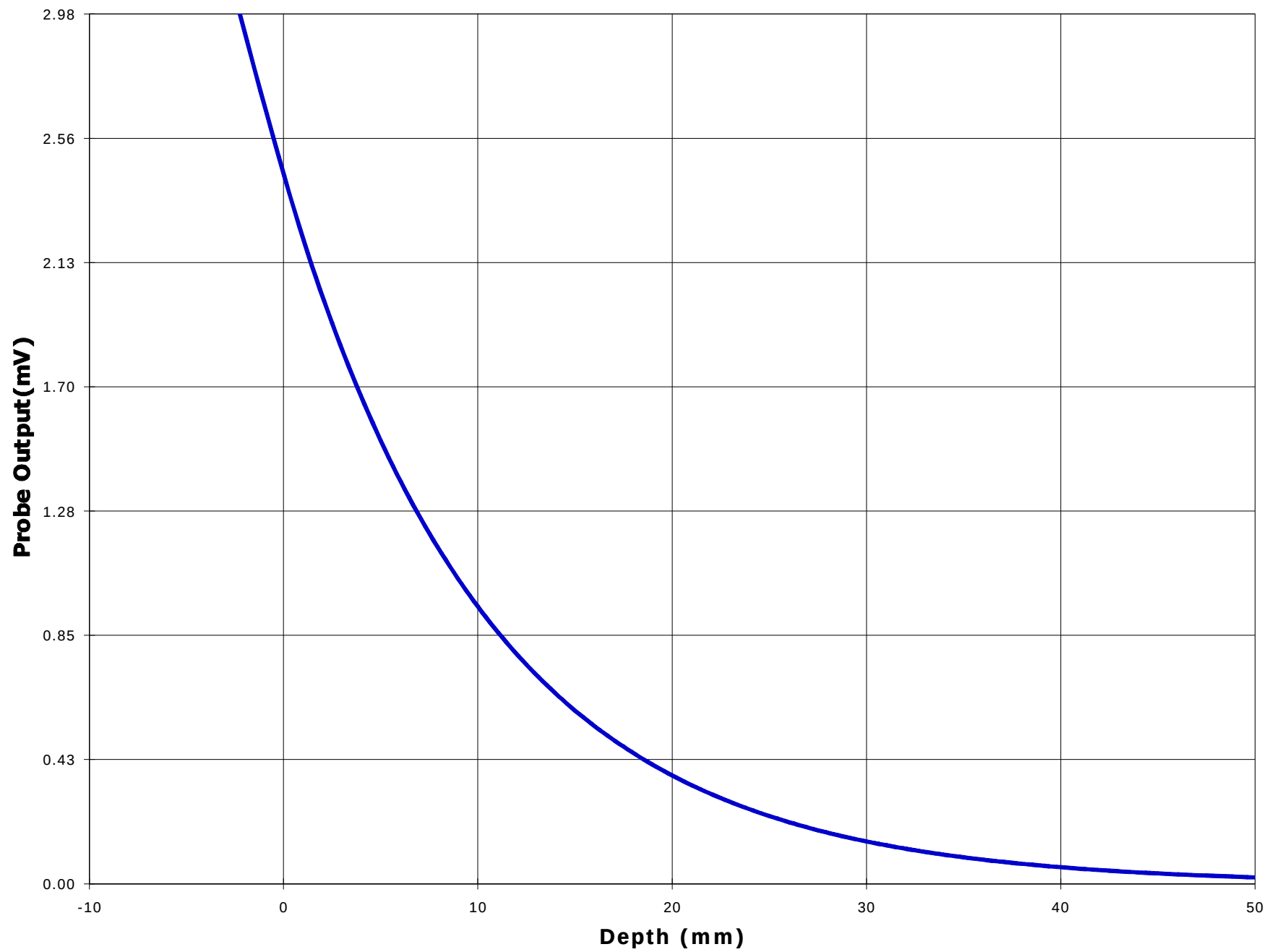












Test Information

Date : 2/14/00
Time : 6:06:07 PM

Product : Cellular Phone
Manufacturer : Mitsubishi
Model Number : MT-253
Serial Number : 1234
FCC ID Number : BGBMT254XF0R6A

Test : SAR
Frequency (MHz) : 1910
Nominal Output Power (W) : 0.600
Antenna Type : 1/2 Wave
Signal : TDMA

Phantom : Waist
Simulated Tissue : Muscle

Dielectric Constant : 56.6
Conductivity : 1.38

Probe : ETR225_1_999
Probe Offset (mm) : 2.3
Sensor Factor (mV) : 10.8
Conversion Factor : 1.85
Calibrated Date : 11/23/99

Antenna Position : OUT
Measured Power (W) : 0.219
(conducted)
Cable Insertion Loss (dB) : 1.2
Compensated Power (W) : 0.289

Amplifier Setting :

Channel 1 : .00262 Channel 2 : .00255 Channel 3 : .00380

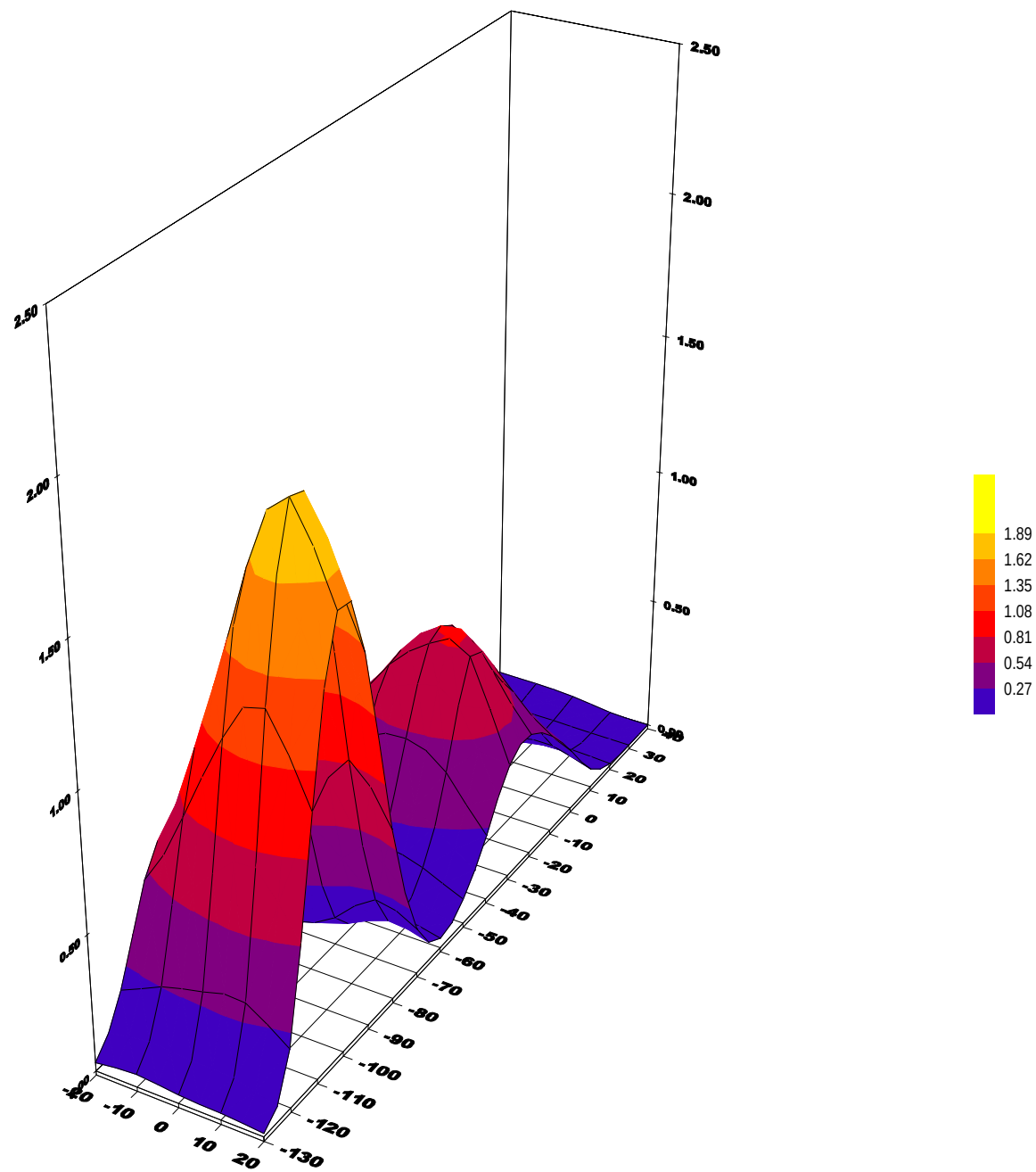
Location of Maximum Field :

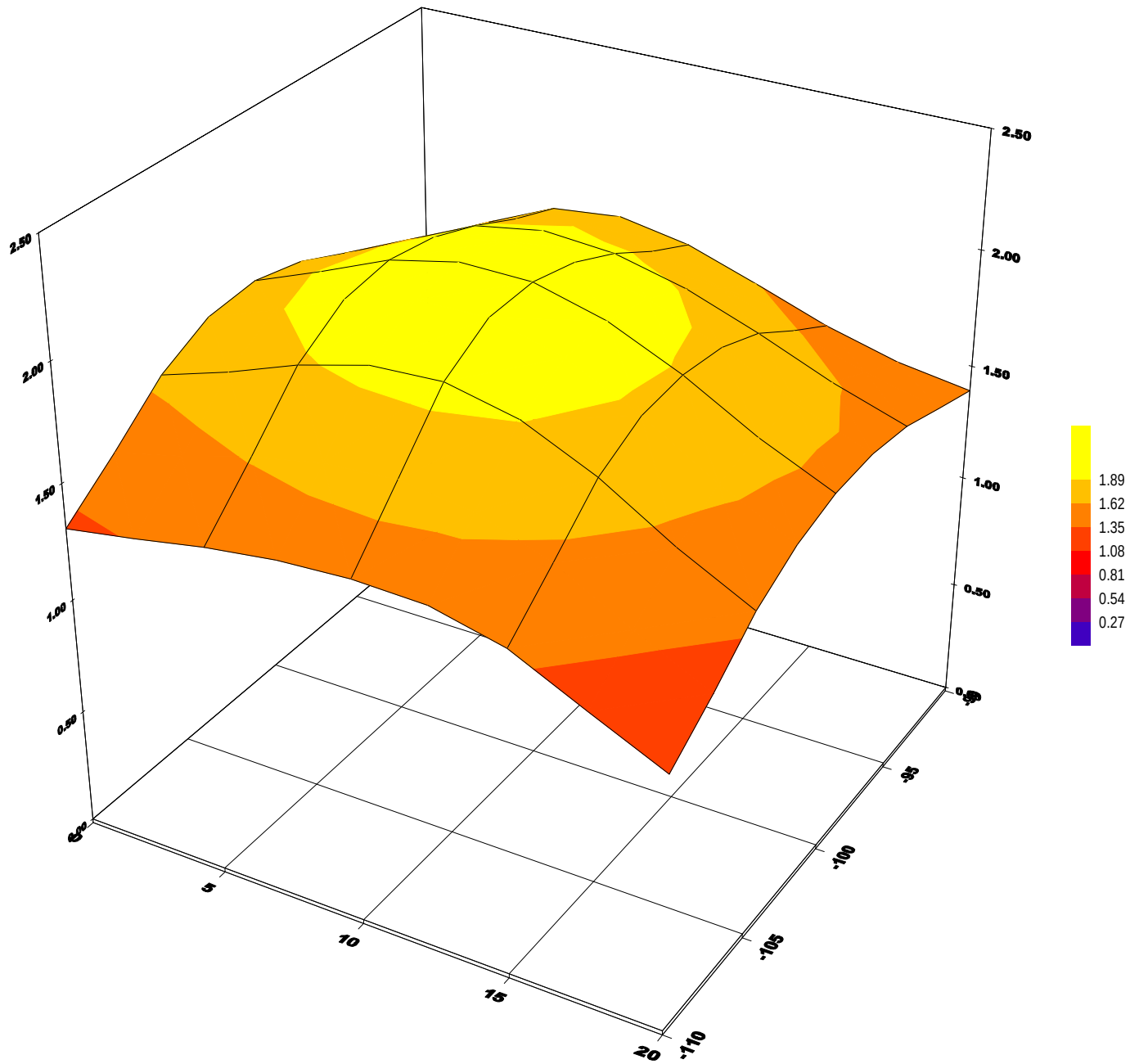
X = 10 Y = -100

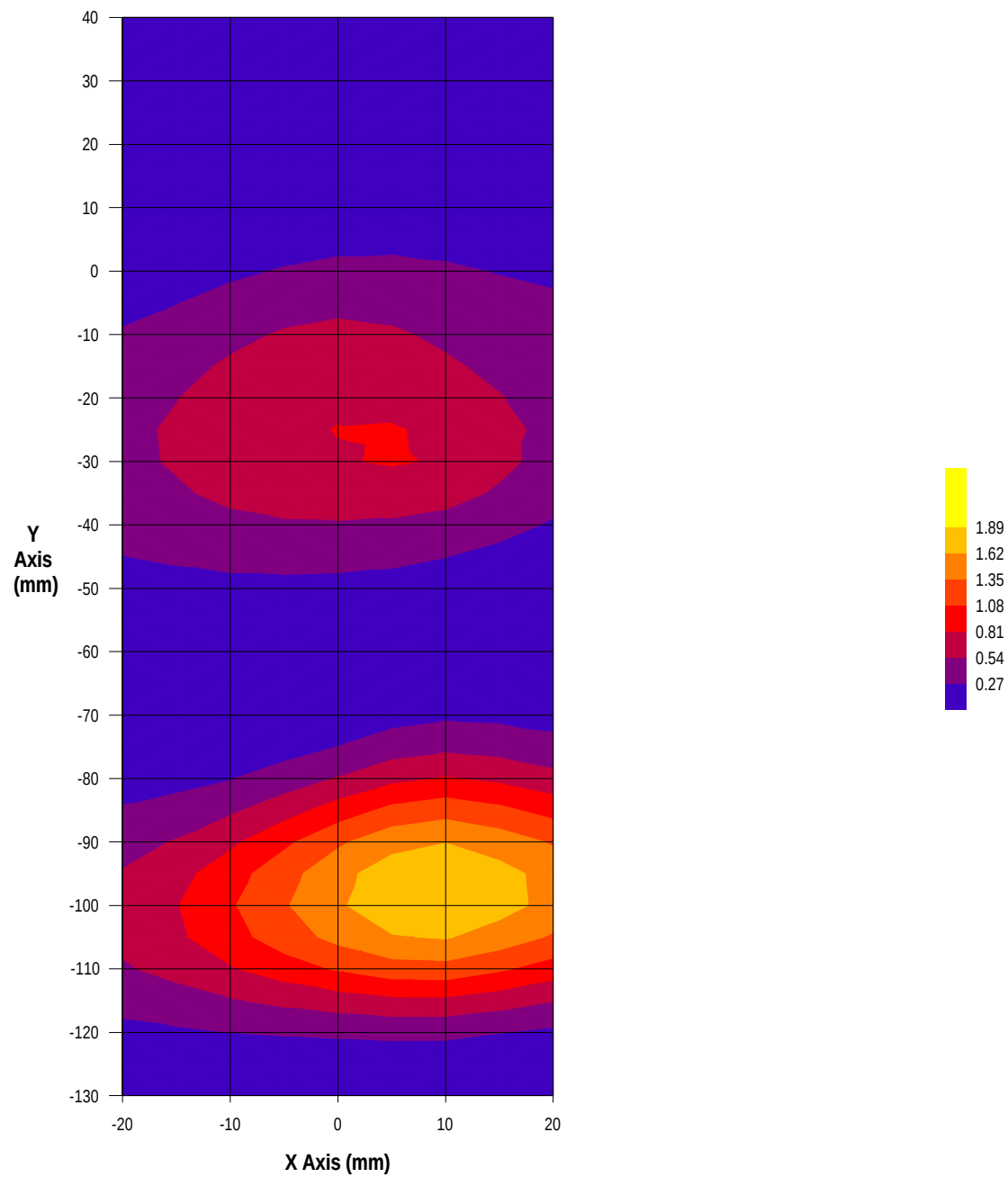
Measured Values (mV) :

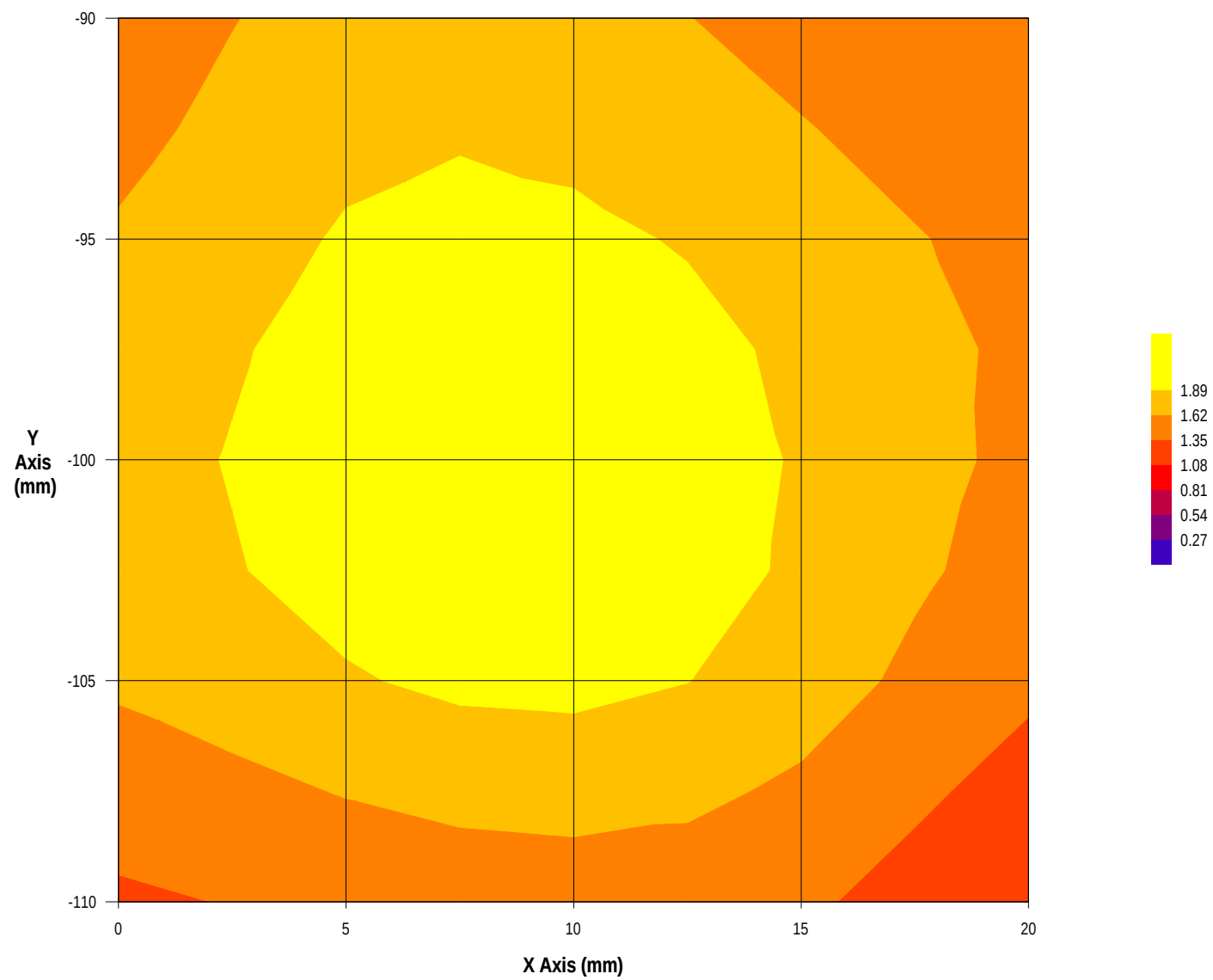
2.85	2.19	1.94	1.73	1.56	1.41
1.28	1.17	1.07	0.98	0.90	

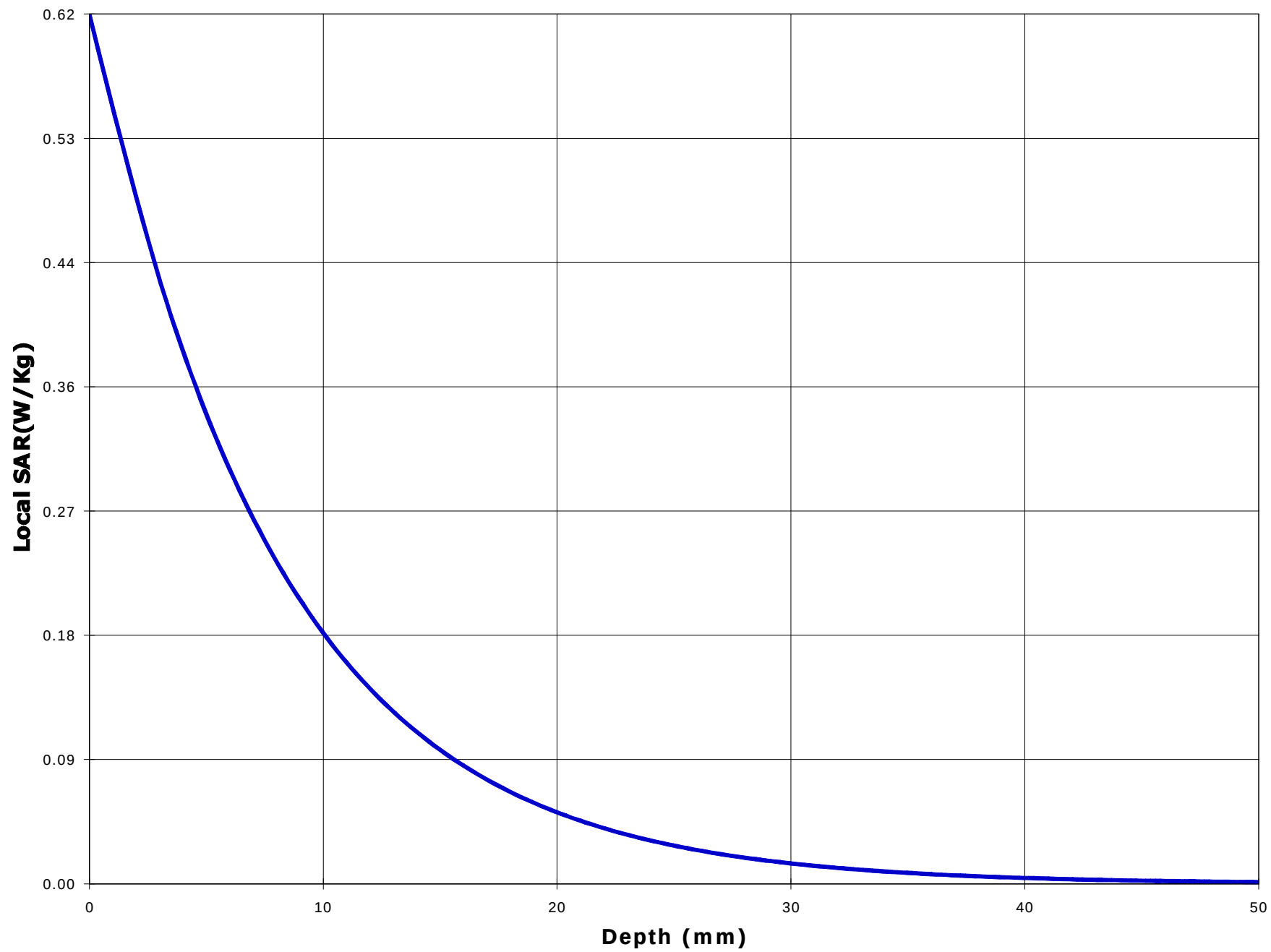
Peak Voltage (mV) : 3.64 1 Cm Voltage (mV) : 1.04 SAR (W/Kg) : 0.27

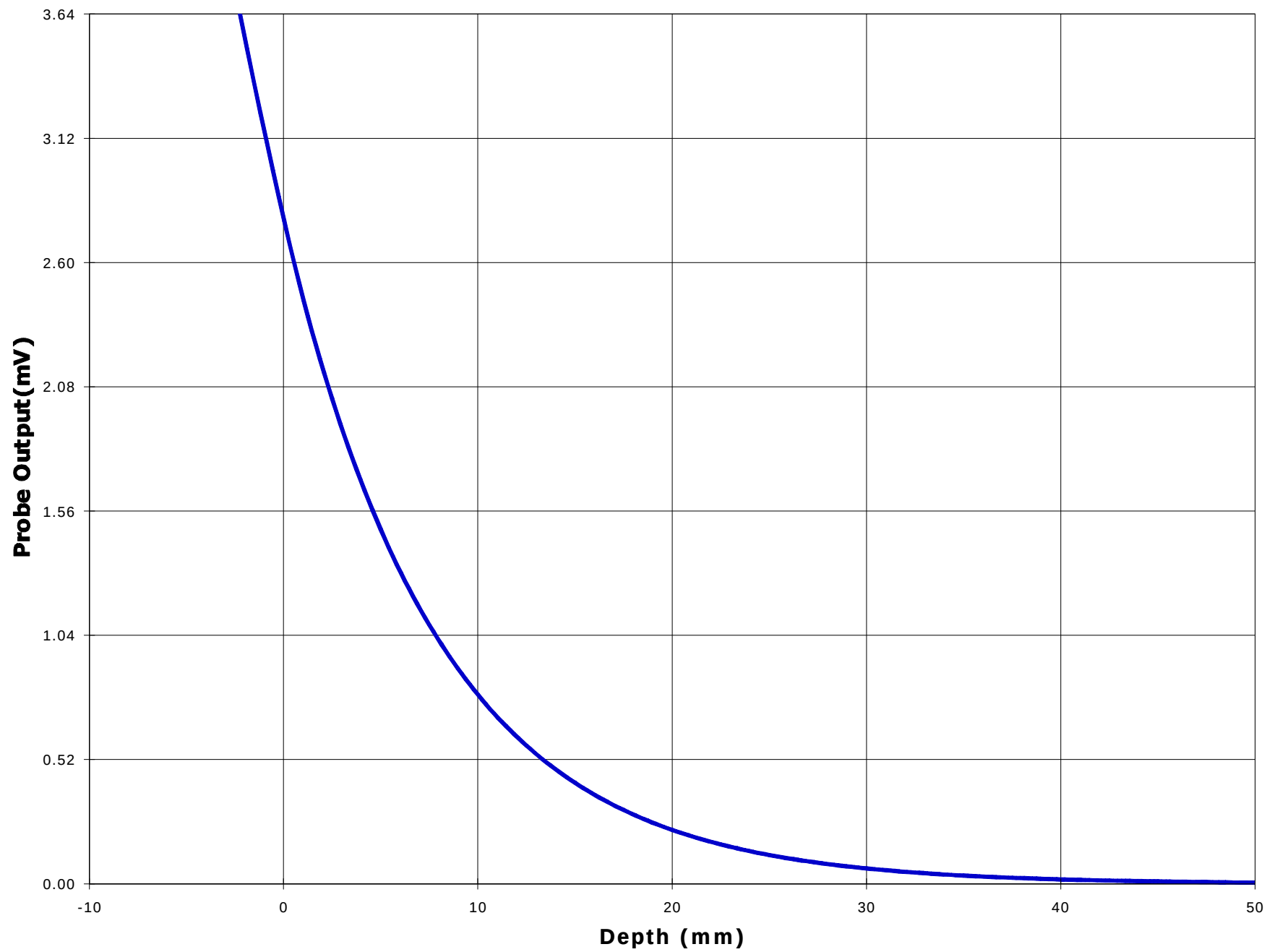












Date: 2/7/00, 16:11

Frequency: 835 MHz

Comments: Mitsubishi

Mixture: Brain ('Brain' or 'Muscle')

of Points: 11

Point Dist: 1 cm.

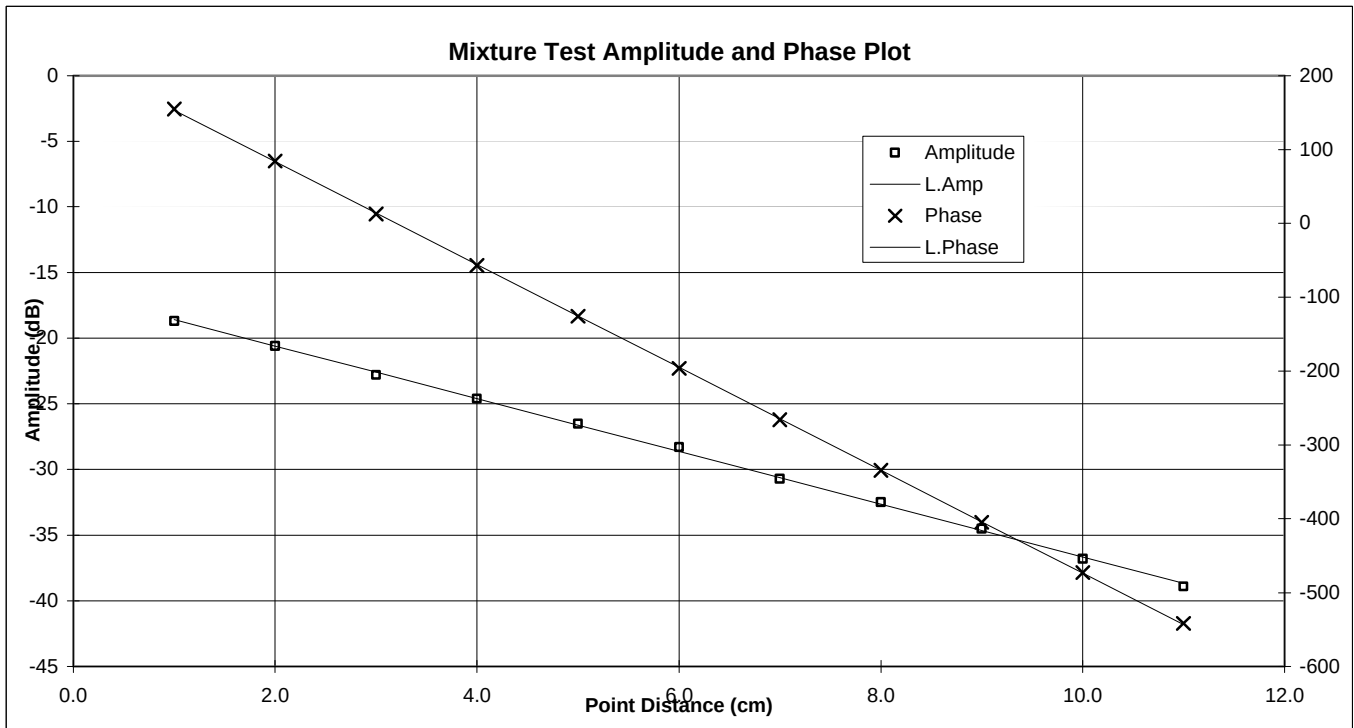
Room Temp.: 25

Point	Amplitude	Phase
1	-18.70	154.70
2	-20.60	84.40
3	-22.80	12.80
4	-24.60	-56.90
5	-26.50	-125.80
6	-28.30	163.70
7	-30.70	94.20
8	-32.50	25.70
9	-34.50	-44.70
10	-36.80	-113.00
11	-38.90	178.30

-49.9	
-51.6	
-53.5	-2.008181818
-55.3	-16.57818182
-56.9	-69.62636364
	222.6127273

Omega:	5246459731	rad/sec
Epsilon 0:	8.85E-14	F/m
mu:	1.26E-08	H/m
alpha avg:	-0.231200476	Np/cm
beta avg:	-1.215209292	rad/cm

Results:		Target	Low Limit	High Limit	% Off Target
D. Const:	46.5	44.0	41.8	46.2	5.47
Cond:	0.85	0.90	0.855	0.945	-5.44



Date: 2/11/00, 13:22

Frequency: 835 MHz

Comments: MITSUBISHI

Mixture: Muscle ('Brain' or 'Muscle')

of Points: 11

Point Dist: 1 cm.

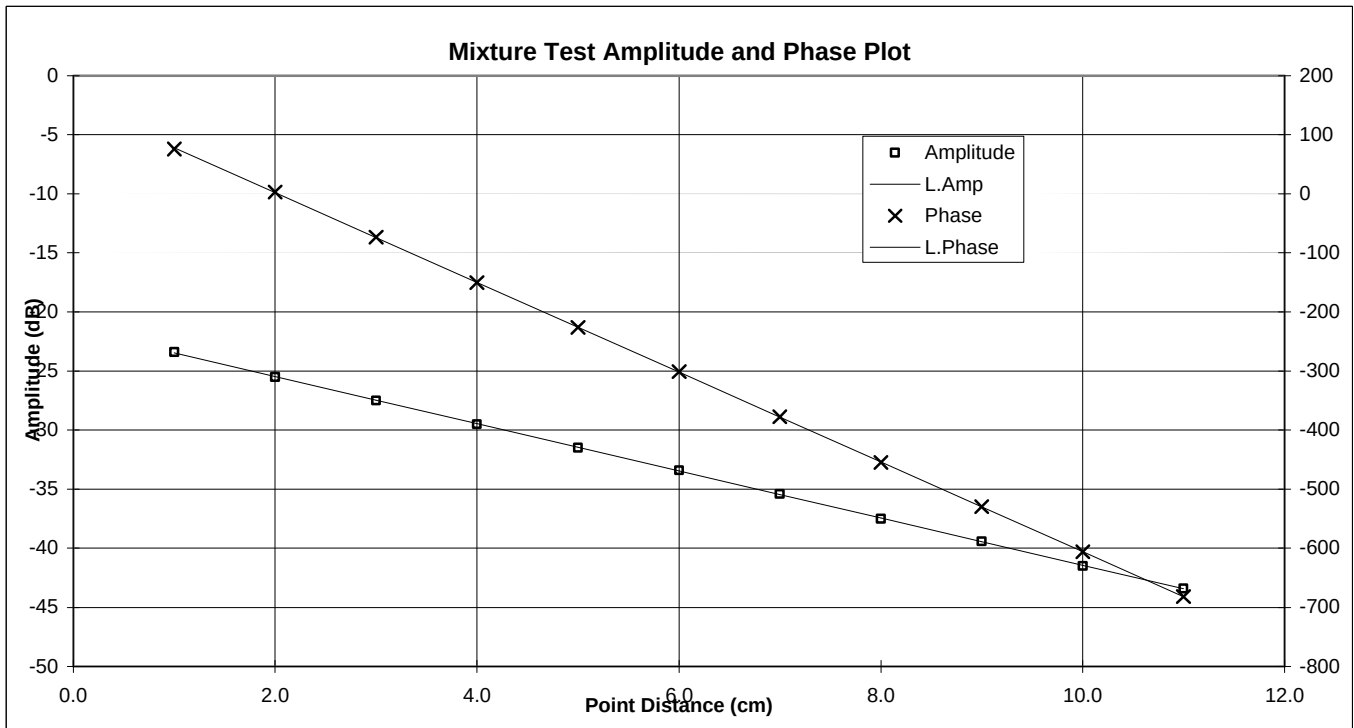
Room Temp.: 25

Point	Amplitude	Phase	
1	-23.40	75.60	170.00
2	-25.50	3.20	37.40
3	-27.50	-73.60	-23.60
4	-29.50	-150.10	-86.00
5	-31.50	133.70	-149.00
6	-33.40	58.90	149.80
7	-35.40	-17.20	88.80
8	-37.50	-94.90	33.60
9	-39.40	-169.40	-35.20
10	-41.50	113.80	-98.00
11	-43.40	38.20	-160.50

-49.9	
-51.6	
-53.5	-1.996363636
-55.3	-21.47636364
-56.9	-75.93181818
	153.6090909

Omega:	5246459731 rad/sec
Epsilon 0:	8.85E-14 F/m
mu:	1.26E-08 H/m
alpha avg:	-0.229839857 Np/cm
beta avg:	-1.325260234 rad/cm

Results:		Target	Low Limit	High Limit	% Off Target
D. Const:	55.6	56.1	53.295	58.905	-0.85
Cond:	0.92	0.95	0.9025	0.9975	-2.77



Date: 2/14/00, 13:46

Frequency: 1900 MHz

Comments: MITSUBISHI

Mixture: Muscle ('Brain' or 'Muscle')

of Points: 11

Point Dist: 0.5 cm.

Room Temp.: 24.5

Point	Amplitude	Phase	
1	-39.70	56.40	170.00
2	-41.10	-27.40	37.40
3	-42.60	-116.50	-23.60
4	-44.20	159.80	-86.00
5	-45.60	75.10	-149.00
6	-47.10	-13.70	149.80
7	-48.50	-101.00	88.80
8	-50.00	174.60	33.60
9	-51.60	87.50	-35.20
10	-53.00	0.00	-98.00
11	-54.60	-86.40	-160.50

-49.9	
-51.6	
-53.5	-2.974545455
-55.3	-38.16727273
-56.9	-172.7072727
	144.34

Omega:	11938052084 rad/sec
Epsilon 0:	8.85E-14 F/m
mu:	1.26E-08 H/m
alpha avg:	-0.342457201 Np/cm
beta avg:	-3.014310551 rad/cm

Results:		Target	Low Limit	High Limit	% Off Target
D. Const:	56.6	54.3	51.585	57.015	4.08
Cond:	1.38	1.45	1.3775	1.5225	-5.22

