

**KT-106D Low Frequency
Transducer Specifications**

9TESTO

QTY 1



INTERNATIONAL TRANSDUCER CORP.
Subsidiary of Channel Technologies

869 Ward Drive Santa Barbara, CA 93111



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869 Ward Drive, Santa Barbara, CA 93111

Gentlemen:

Please find the enclosed applicable test data/certifications, as required, per your contract no. P09472

Should you have any questions concerning test results or product performance, please contact PABLO CANSINO

Project Engineer

SINCERELY YOURS:

A handwritten signature in black ink, appearing to read 'Curt Madison', written over a horizontal line.

CURT MADISON
Manager, Quality Assurance
Extension #537

SINCERELY YOURS:

A handwritten signature in black ink, appearing to read 'Albert Rodriguez', written over a horizontal line.

Albert Rodriguez
(Final Inspections)
Extension #534

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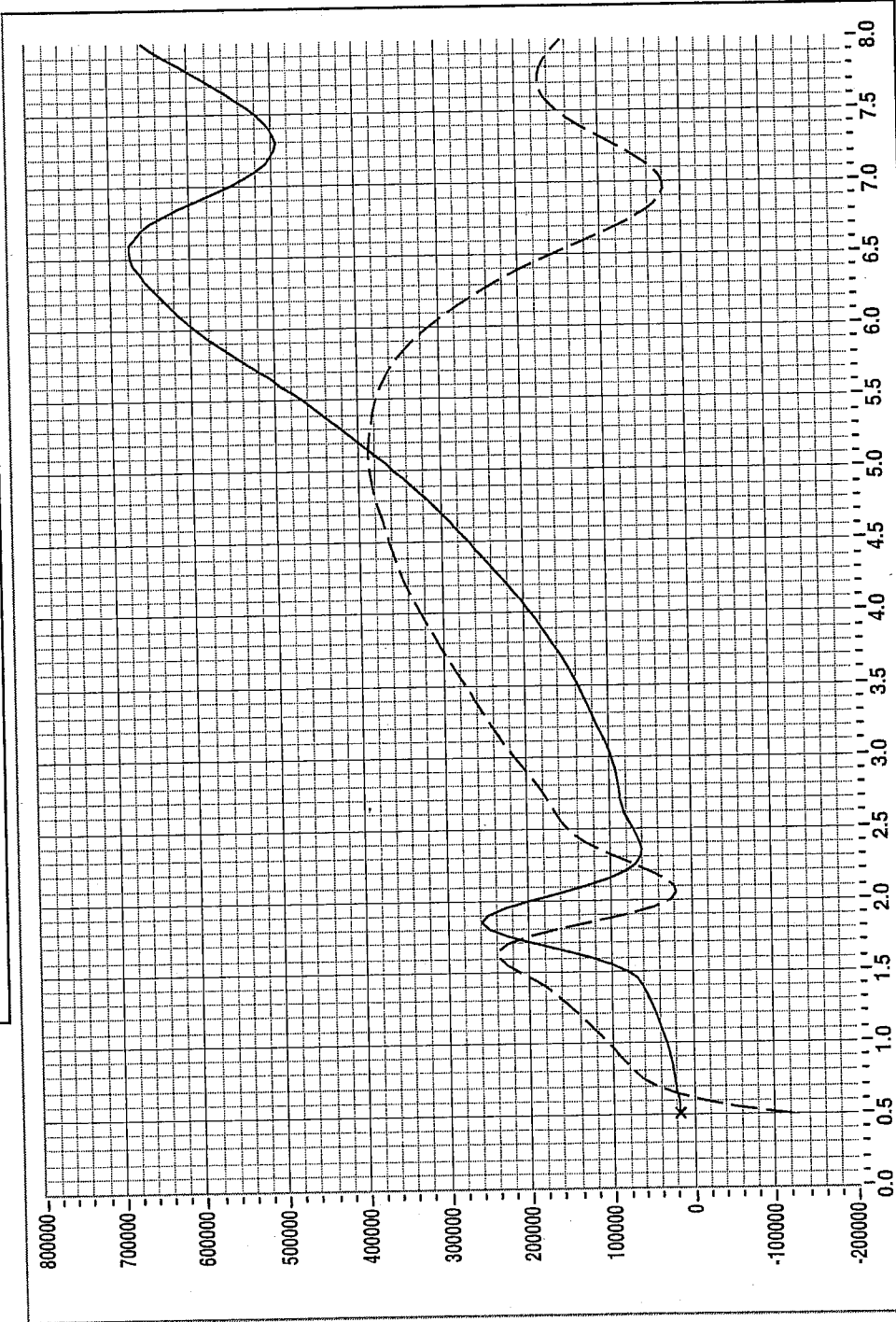
Gloucester Underwater Test Facility

Harris Acoustic Products 141 Washington St E. Walpole

Fri, Jul 07, 2006 11:26:38 AM

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WATER ADMITTANCE



Conductance/
Susceptance (umhos)



Cursor 1 0.50 17357.68 x

Frequency (kHz)

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Fri, Jul 07, 2006 11:26:38 AM

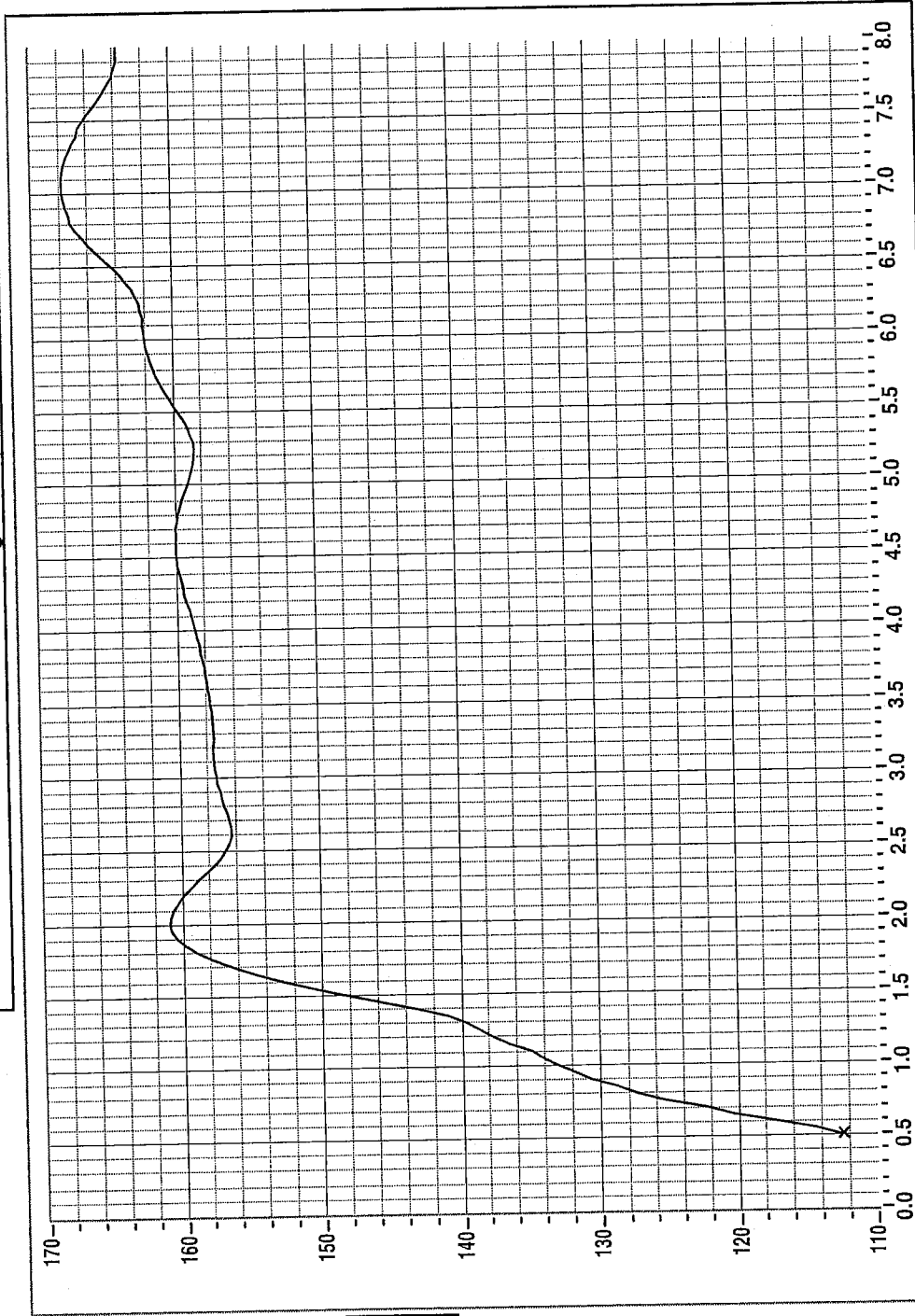
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Test Dist: 5.5 m

Test Depth: 4.6 m

water Temp: 15.6 C

Transmit Voltage Response



Transmit voltage response (dB/uPa/V @ 1m)



Cursor 1 0.50 112.53 x

Frequency (kHz)

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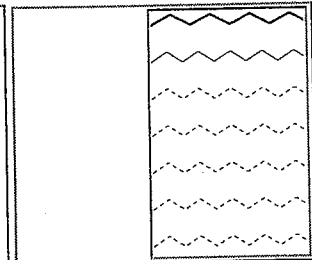
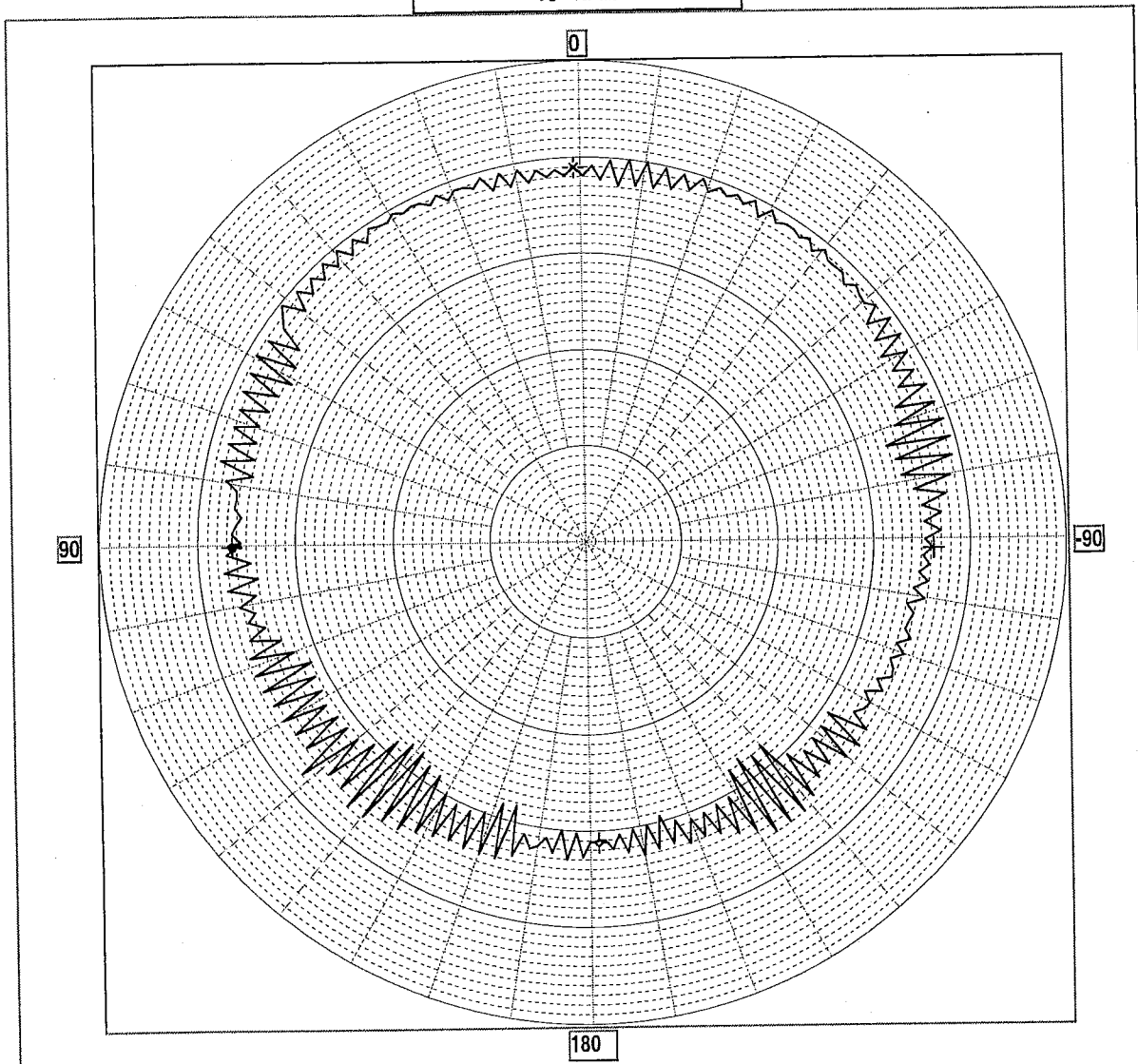
Gloucester Underwater Test Facility

Harris Acoustic Products 141 Washington St E.

Fri, Jul 07, 2006 11:39:38 AM

Directivity Pattern XY Plane

.5 kHz



Graph Info.

Outer Circle 10 dB
Center -40 dB
dB/Div 1 dB

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Angle Ord

Cursor 1	1.08	-0.94	*	
Cursor 2	90.00	-3.45	+	
Cursor 3	-91.60	-3.87	+	
Cursor 4	-178.60	-8.92	+	



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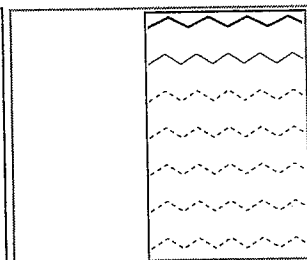
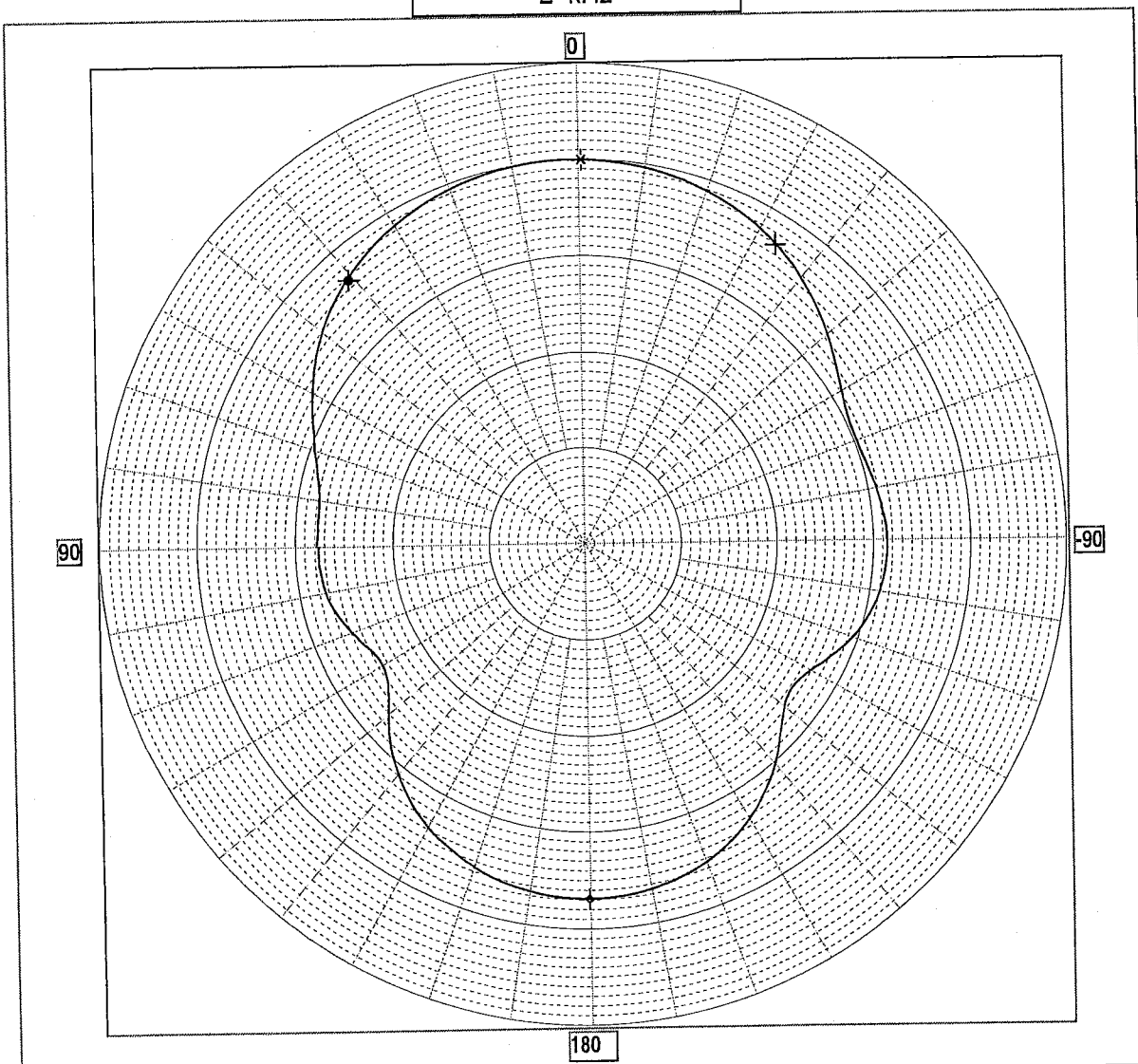
Gloucester Underwater Test Facility

Harris Acoustic Products 141 Washington St E.

Fri, Jul 07, 2006 11:02:30 AM

Directivity Pattern XY Plane

2 kHz



Graph Info.

Outer Circle 10 dB
Center -40 dB
dB/Div 1 dB

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Angle Ord

Cursor 1	-0.40	-0.02		
Cursor 2	40.93	-3.14		
Cursor 3	-33.30	-2.94		
Cursor 4	-180.30	-3.11		



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International Transducer Corp.

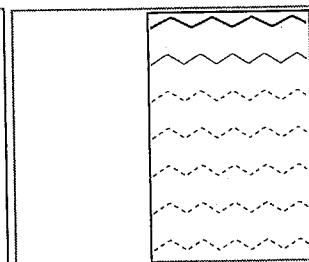
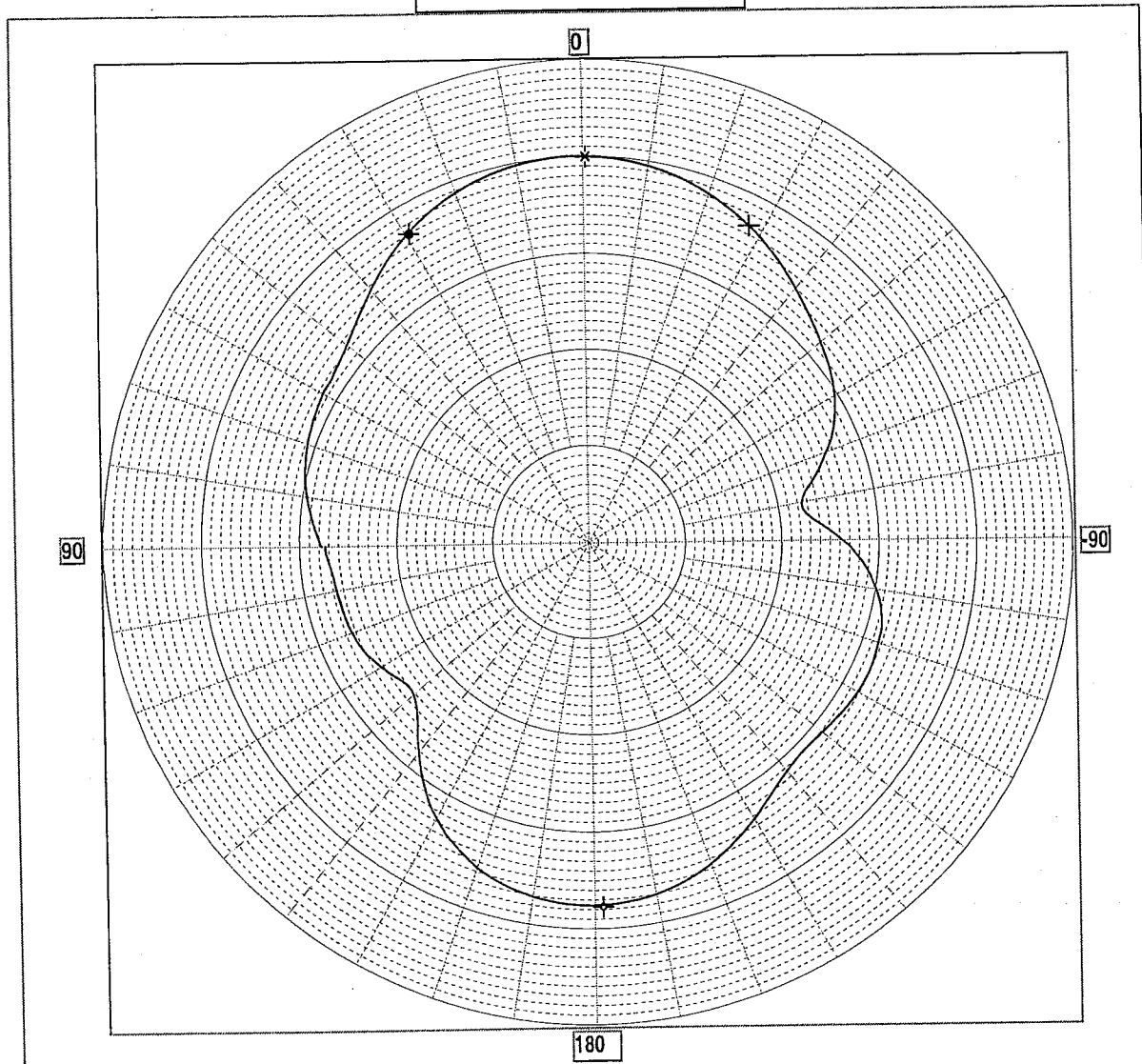
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Harris Acoustic Products 141 Washington St E.

Fri, Jul 07, 2006 11:05:58 AM

Directivity Pattern XY Plane

4 kHz



Graph Info.

Outer Circle 10 dB
Center -40 dB
dB/Div 1 dB

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Angle Ord

Cursor 1	-0.40	-0.02	☐	*	☐
Cursor 2	29.54	-2.89	☐	+	☐
Cursor 3	-27.50	-3.08	☐	+	☐
Cursor 4	-178.80	-2.45	☒	+	☐



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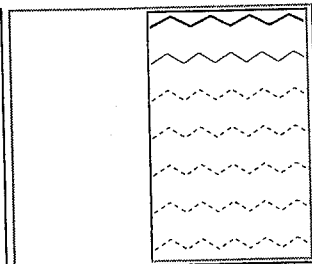
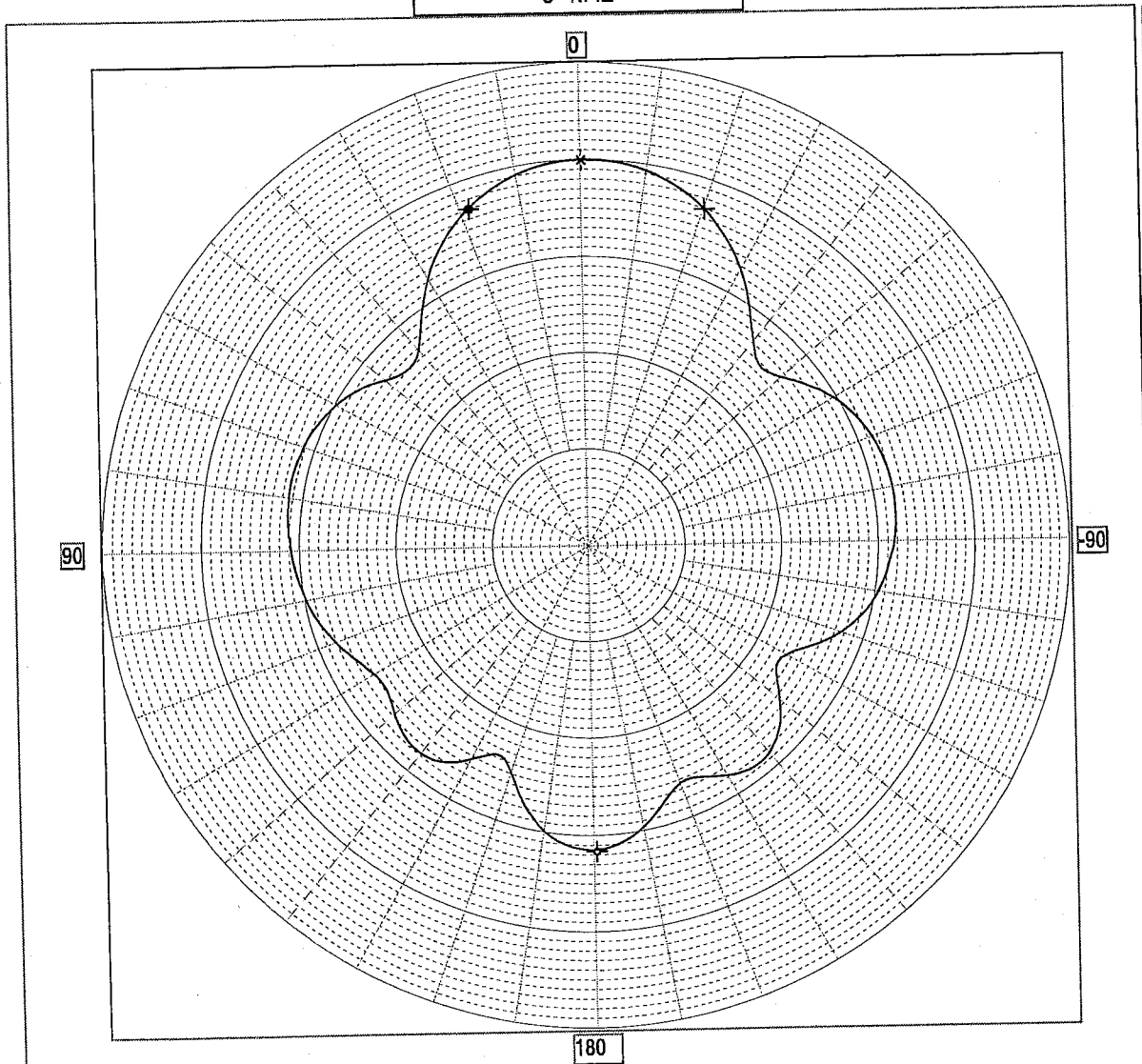
Gloucester Underwater Test Facility

Harris Acoustic Products 141 Washington St E.

Fri, Jul 07, 2006 11:08:40 AM

Directivity Pattern XY Plane

6 kHz



Graph Info.

Outer Circle 10 dB
Center -40 dB
dB/Div 1 dB

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Angle

Ord

Cursor 1	0.00	0.00		
Cursor 2	18.53	-2.92		
Cursor 3	-19.95	-2.97		
Cursor 4	-179.75	-8.52		



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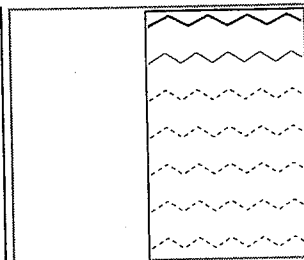
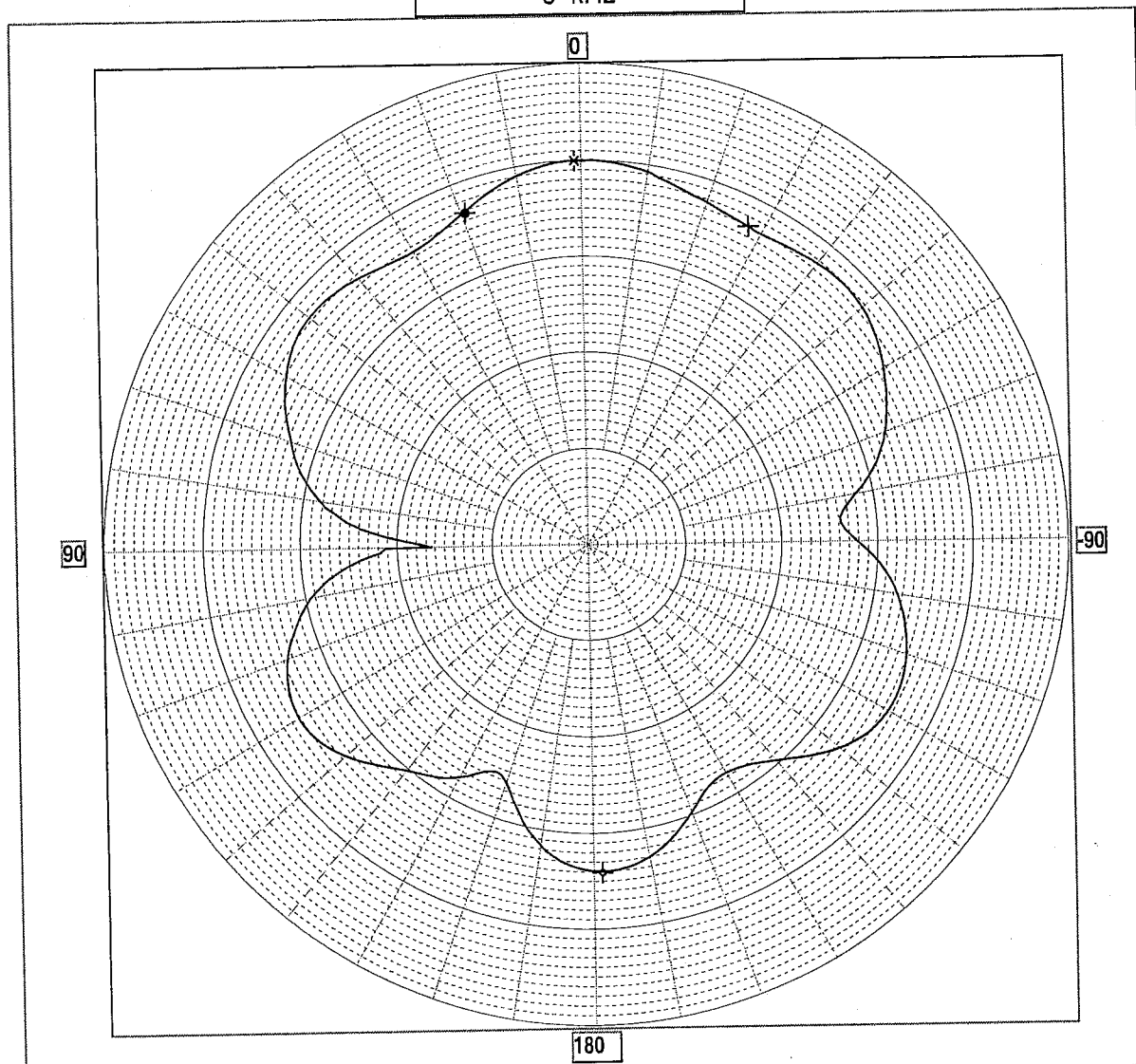
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Harris Acoustic Products 141 Washington St E.

Fri, Jul 07, 2006 11:11:52 AM

Directivity Pattern XY Plane

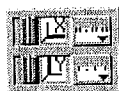
8 kHz



Graph Info.

Outer Circle 10 dB
Center -40 dB
dB/Div 1 dB

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Angle Ord

Cursor 1	1.03	-0.02	☐	*	☐
Cursor 2	19.57	-3.16	☐	+	☐
Cursor 3	-27.50	-2.95	☒	+	☐
Cursor 4	-178.70	-6.03	☐	+	☐



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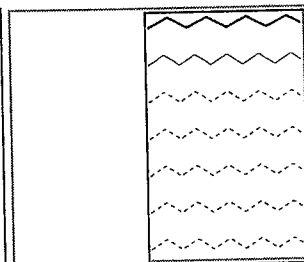
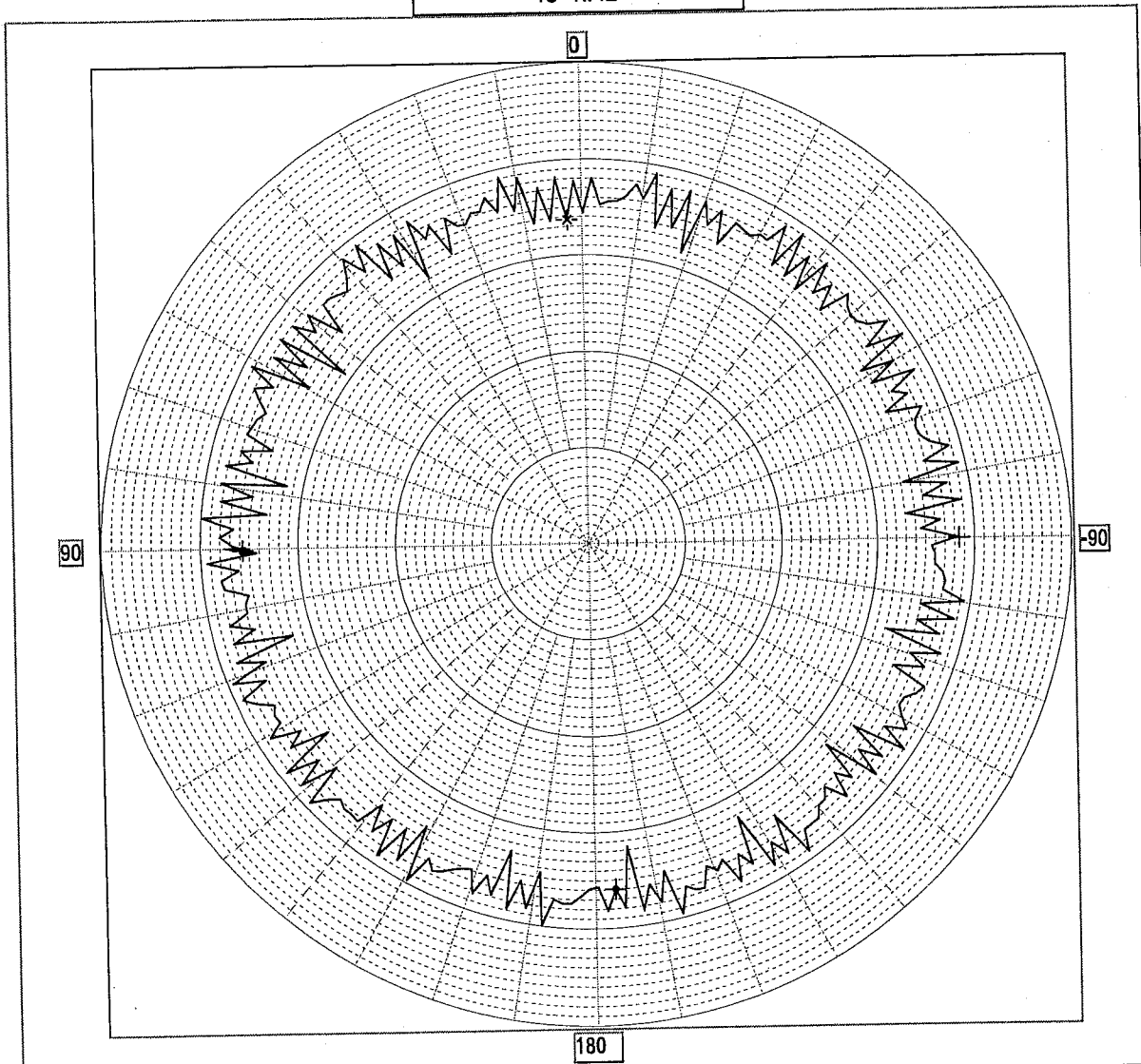
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Fri, Jul 07, 2006 1:25:49 PM

Directivity Pattern XZ Plane

.5 kHz



Graph Info.

Outer Circle 10 dB
Center -40 dB
dB/Div 1 dB

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Angle Ord

Cursor 1	2.65	-6.23	☐	*	☐
Cursor 2	90.00	-4.21	☐	+	☐
Cursor 3	-89.90	-1.71	☒	+	☐
Cursor 4	-176.70	-4.07	☐	+	☐



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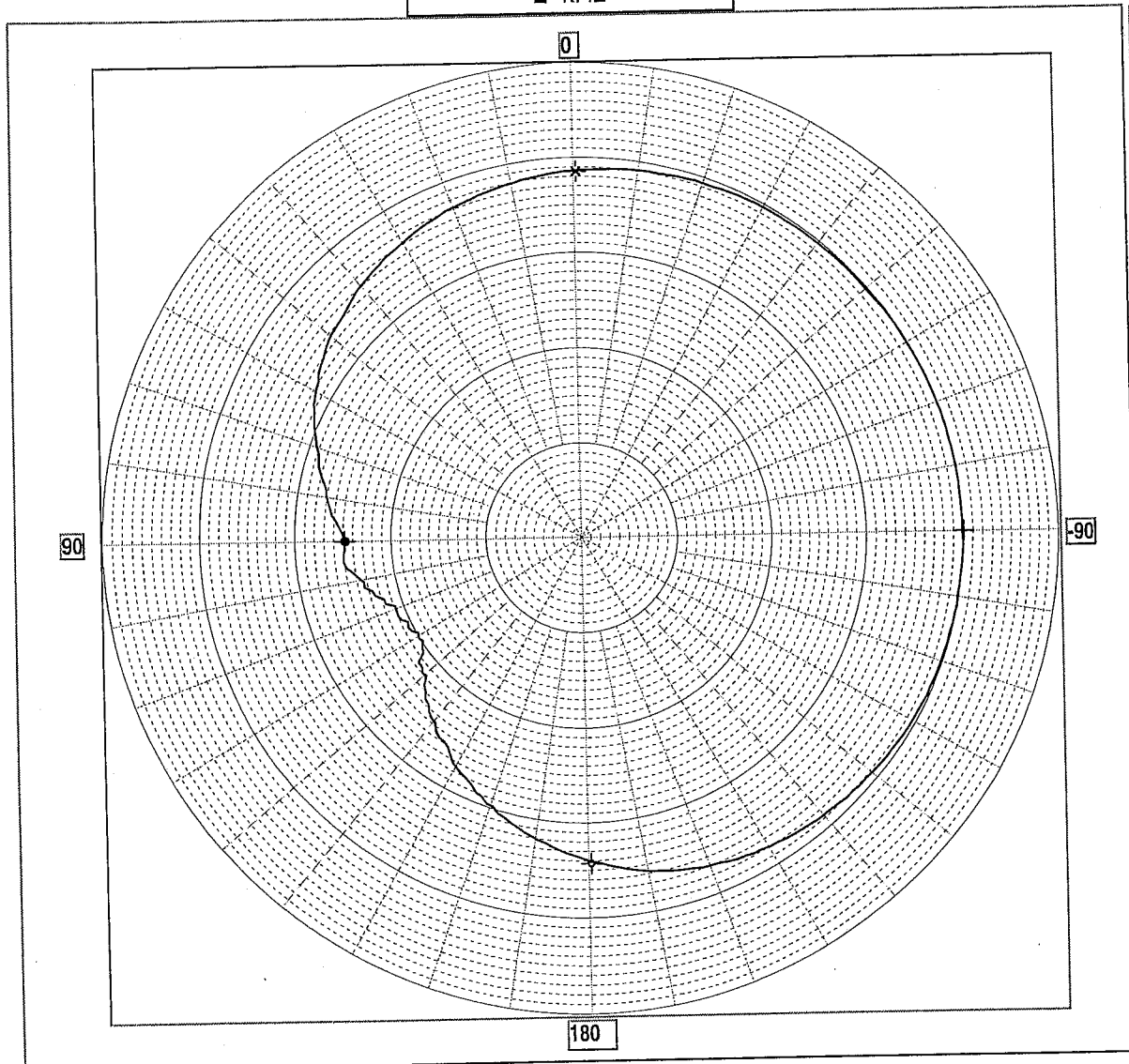
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Harris Acoustic Products 141 Washington St E.

Fri, Jul 07, 2006 1:06:26 PM

Directivity Pattern XZ Plane

2 kHz



Graph Info.

Outer Circle 10 dB
Center -40 dB
dB/Div 1 dB

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Angle Ord

Cursor 1	-0.20	-1.40	☐	*	☐
Cursor 2	89.60	-15.16	☒	+	☐
Cursor 3	-89.90	-0.11	☐	+	☐
Cursor 4	-179.60	-5.92	☐	+	☐



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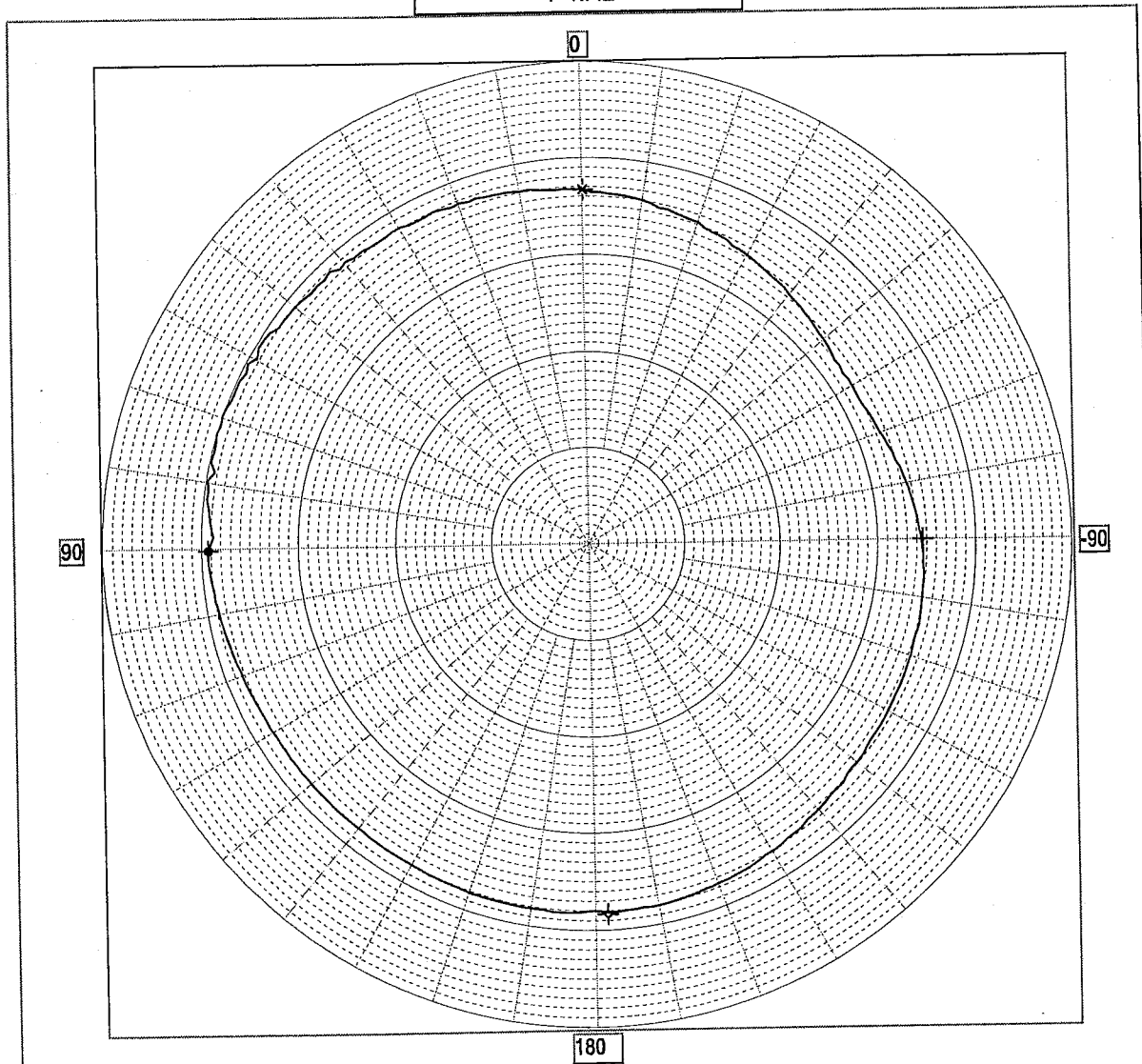
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Fri, Jul 07, 2006 1:13:47 PM

Directivity Pattern XZ Plane

4 kHz



Graph Info.

Outer Circle 10 dB
Center -40 dB
dB/Div 1 dB

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Angle Ord

Cursor 1	-0.10	-3.23	☐	*	
Cursor 2	90.00	-0.62	☐	+	
Cursor 3	-89.80	-5.55	☒	+	
Cursor 4	-178.10	-1.81	☐	+	



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International Transducer Corp.

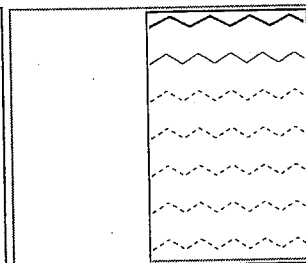
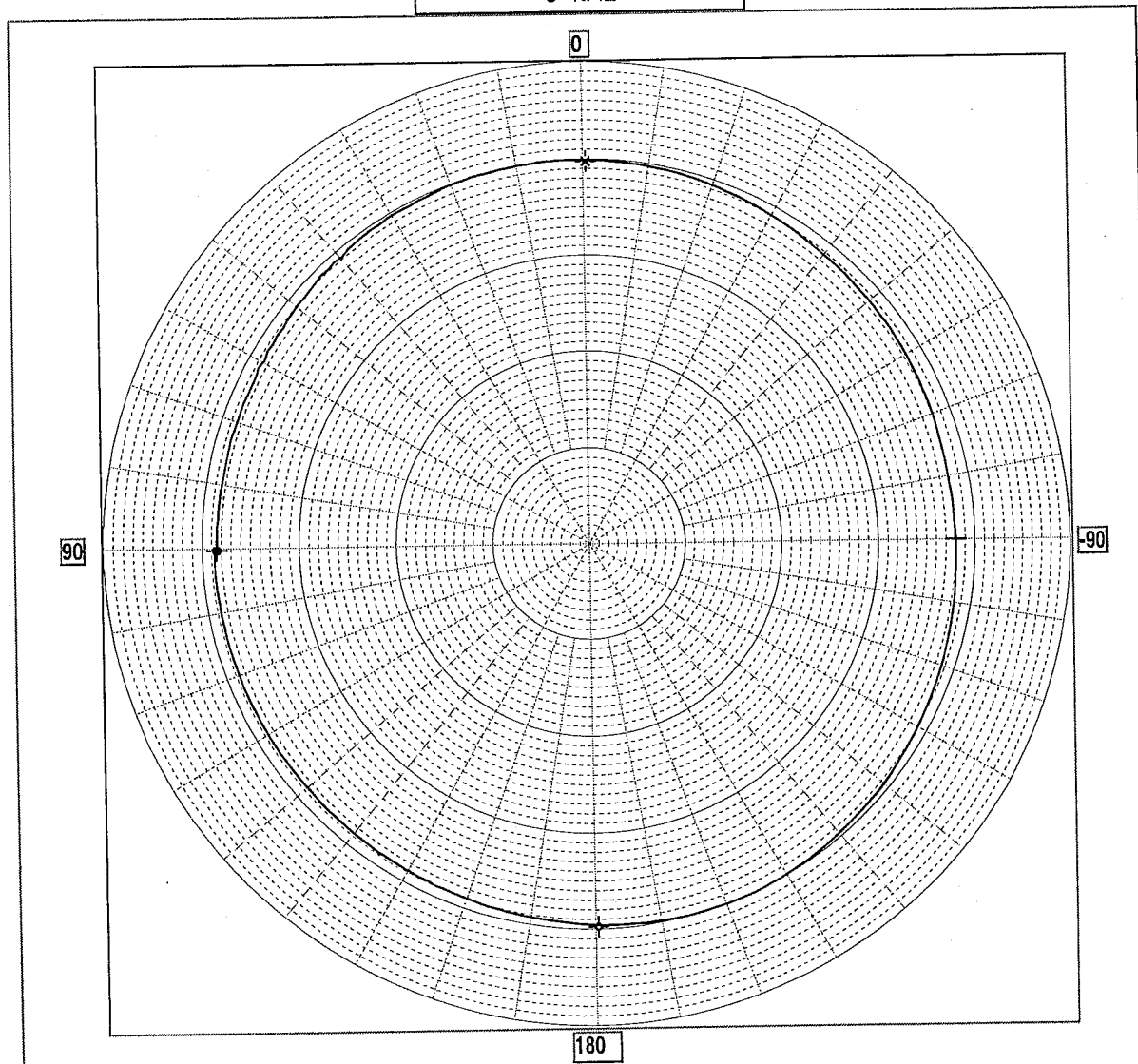
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Harris Acoustic Products 141 Washington St E.

Fri, Jul 07, 2006 1:17:53 PM

Directivity Pattern XZ Plane

6 kHz



Graph Info.

Outer Circle 10 dB
Center -40 dB
dB/Div 1 dB

UNCLASSIFIED



Angle Ord

Cursor 1	-0.20	-0.19	☒	☒	☒
Cursor 2	90.00	-1.54	☐	☒	☒
Cursor 3	-89.90	-1.99	☐	☒	☒
Cursor 4	-179.60	-0.42	☐	☒	☒



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International Transducer Corp.

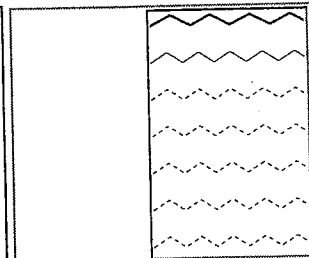
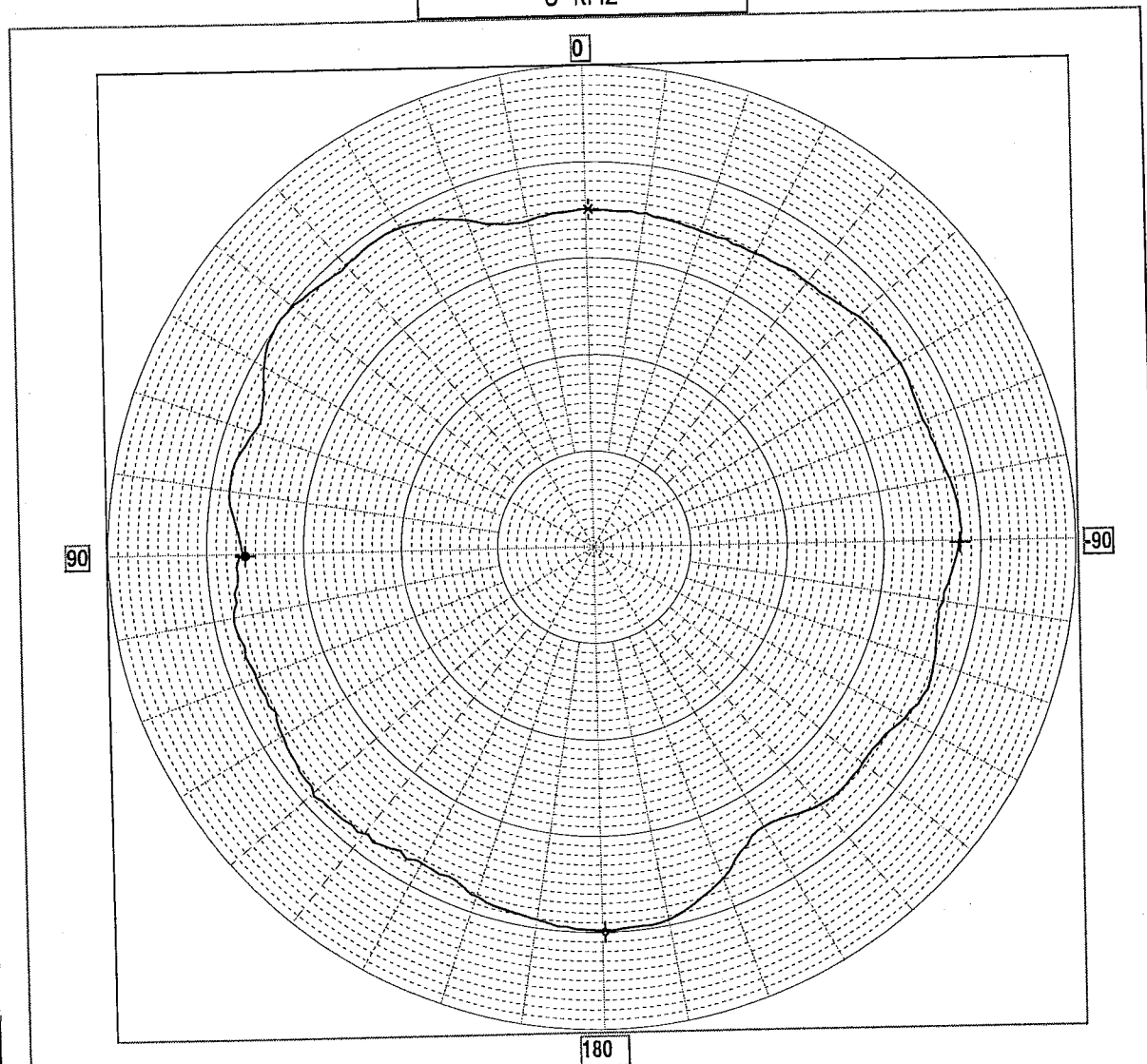
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Harris Acoustic Products 141 Washington St E.

Fri, Jul 07, 2006 12:56:42 PM

Directivity Pattern XZ Plane

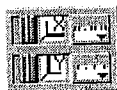
8 kHz



Graph Info.

Outer Circle 10 dB
Center -40 dB
dB/Div 1 dB

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Angle Ord

Cursor 1	-0.30	-4.87		
Cursor 2	90.00	-3.78		
Cursor 3	-90.00	-2.26		
Cursor 4	-179.70	-0.21		

