

TO: Soundtechnical Institute  
Technological Institute  
Gregersensvej  
Tåstrup  
Denmark

25 jan 1984.

Att Mr. Eddy Bøgh Brixen.

Dear Sir,

Enclosed please find the following tape cassettes:

- |             |                   |   |
|-------------|-------------------|---|
| A) Tape Nr. | 5212C 02<br>PDC-5 | The Gradient Scale of Handling<br>Energy and Objects        |
| B) Tape Nr. | 6208C21           | Essentials of Auditing Series,<br>Basics of Auditing nr. 2. |
| C) Tape Nr. | 8312C01           | Ron's Journal 38 Today and To-<br>morrow: THE PROOF.        |

The object of this test is to, by voice specter test, or any other test You might wish to use, to establish if these 3 lectures are all held by the same voice i.e. by the same person. In case they are not, please also state which tape proves to be in a different voice.

Any copies or photos of the voice specters should be attached to Your report as well as any other relevant data (such as editing of the voice).

These 3 tapes are all named L Ron Hubbard and the purpose of this test is to verify rumours that they are NOT personally held lectures (all of them) by L Ron Hubbard or to dead agent such rumours.

Looking forward to Your report I remain Yours,

Sincerely

TO: Soundtechnological Institute  
Technological Institute  
Gregersensvej  
Tåstrup  
Denmark

Att Mr Eddy Bøgh Brixen.

Dear Sir,

Thank You very much for the report on the tests You  
ran on the 3 tapes.

Additionally I would very much like You to test the enclosed  
tape in comparison to the tapes You already tested.

The question is, is this voice the same as the voice on  
tape C) or as tape A) and B) or is it an entire different voice.

Sincerely, Yours

./. Tape Nr. **D** "Your New Year" Ron's Journal 36  
(Copyright C 1982 1983 by L Ron Hubbard.)

1/2/84

Report No.

461-5357

Title of Report

Analyses of voice, recorded on  
cassette tapes.

Client/Sponsor of Project



**Lydteknisk Institut**



Postal Addresses:  
 c/o Technical University  
of Denmark  
Building 352  
DK-2800 Lyngby, Denmark  
Telephone: +45-2-88 16 22  
Telex: 37529 dth/dia dk  
 Gregersensvej 3  
DK-2630 Tåstrup, Denmark  
Telephone: +45-2-99 77 55

Report No. 461-5357	Date 1984.02.01 EB/JV/bt
Title of Report Analyses of voice, recorded on cassette tapes.	Client/Sponsor Ref.
Client/Sponsor of Project	Reporter's Sign. 
Work carried out by Eddy Bøgh Brixen	

*Auf den Wunsch von*

By request of

*durchführen*

the Danish Acoustical  
Institute has carried out different analyses, to determine whether  
four different cassette recordings were containing the voice of  
the same person, or not.

The four tapes were named A, B, C and D, and the original  
recordings were carried out in 1952, 1962, 1983 and 1982,  
*bezeichnungsweise je*  
respectively:

Tape A: The original master recording was carried out in 1952,  
*1952* but, as mentioned on the tape, it has been edited and  
processed to remove noise and increase intelligibility.

The person recorded, is giving a lecture to a smaller  
audience.

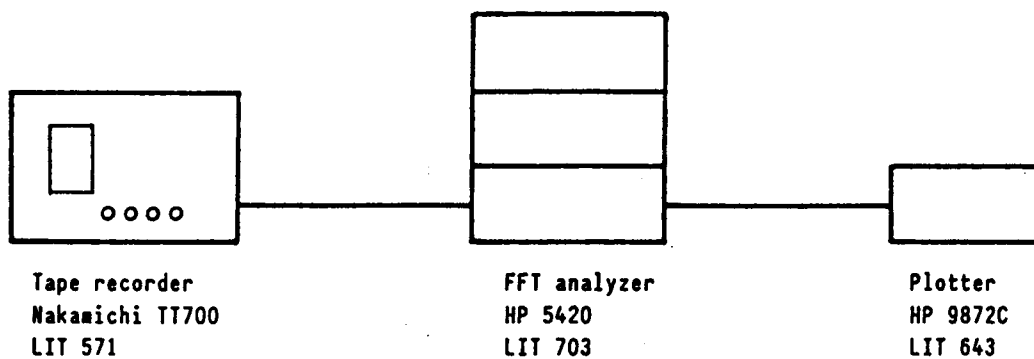
Tape B: The original master recording was carried out in 1962.  
*1962* This recording too, as the former, is made before a  
smaller audience.



Tape C: The recording has been carried out in a studio. The year <sup>1983</sup> of the recording is supposed to be 1983.

Tape D: This recording too has been carried out in a studio. Dated <sup>1982</sup> 1982.

Set up for the analysis



The signal was led from the taperecorder to the Fast Fourier Analyzer. This analyzer performs a narrow band, constant band width, frequency analysis.

Results

Frequency analysis, 0-800 Hz, measuring time 32 sec. (setup state and curves pp 4-12).

This analysis has been carried out to achieve an overall frequency spectrum for the vowel sounds of the noise, i.e. the fundamental and its first 5-7 harmonics.

For each tape two analyses are made, one for a relatively calm speaking voice, and one for a more modulated voice.

Frequency analysis, 50-250 Hz, measuring time: 128 sec. (setup state and curves pp 13-17).

This analysis is made to determine the distribution of the fundamental vowel frequency depending on voice modulation. This



has been carried out 3 times for each tape, on different selections.

Frequency analysis, 0-3200 Hz (setup state and curves pp 18-22).

This analysis has been made to discover possible differences in formant groups.

### Conclusions

It occurs, that the voice on all tapes is having almost the same fundamental frequency of the vowel sound. Furthermore none of the curves show characteristic formant groups, as normally seen.

But as a matter of fact, the tape C (from 1983) shows a picture, different from the other tapes: At frequencies between 100 Hz and 800 Hz some tops and dips occur in a way not found elsewhere. This is specially to be recognized with the curve page 21.

In addition to the FFT analyses, some listening tests have been carried out. Knowing that the voice can change considerably due to age, this test has been performed on the newest recordings, tape C and D.

Without drawing final conclusions it is heard that:

- the voice on D seems older than on C. The tape C shows shorter pauses and gives a more vital voice expression.
- the person on D has additional sounds, that seems to come from a denture. Besides the breathing seems to be different.

-----



SETUP STATE

MEASUREMENT : AUTO SPECTRUM

AVERAGE : 100 , STABLE

SIGNAL : SINUSOIDAL

TRIGGER : FREE RUN , CHNL 1

CENT FREQ : 0.0 HZ

BANDWIDTH : 800.000 HZ

TIME LENGTH : 320.000 mS

$\Delta F$  : 3.12500 HZ       $\Delta T$  : 312.500  $\mu$ S

ADC CHNL	RANGE	AC/DC	DELAY	CAL (C1/C2)
* 1	2.5 V	AC	0.0 S	1.00000
2	10 V	DC	0.0 S	1.00000



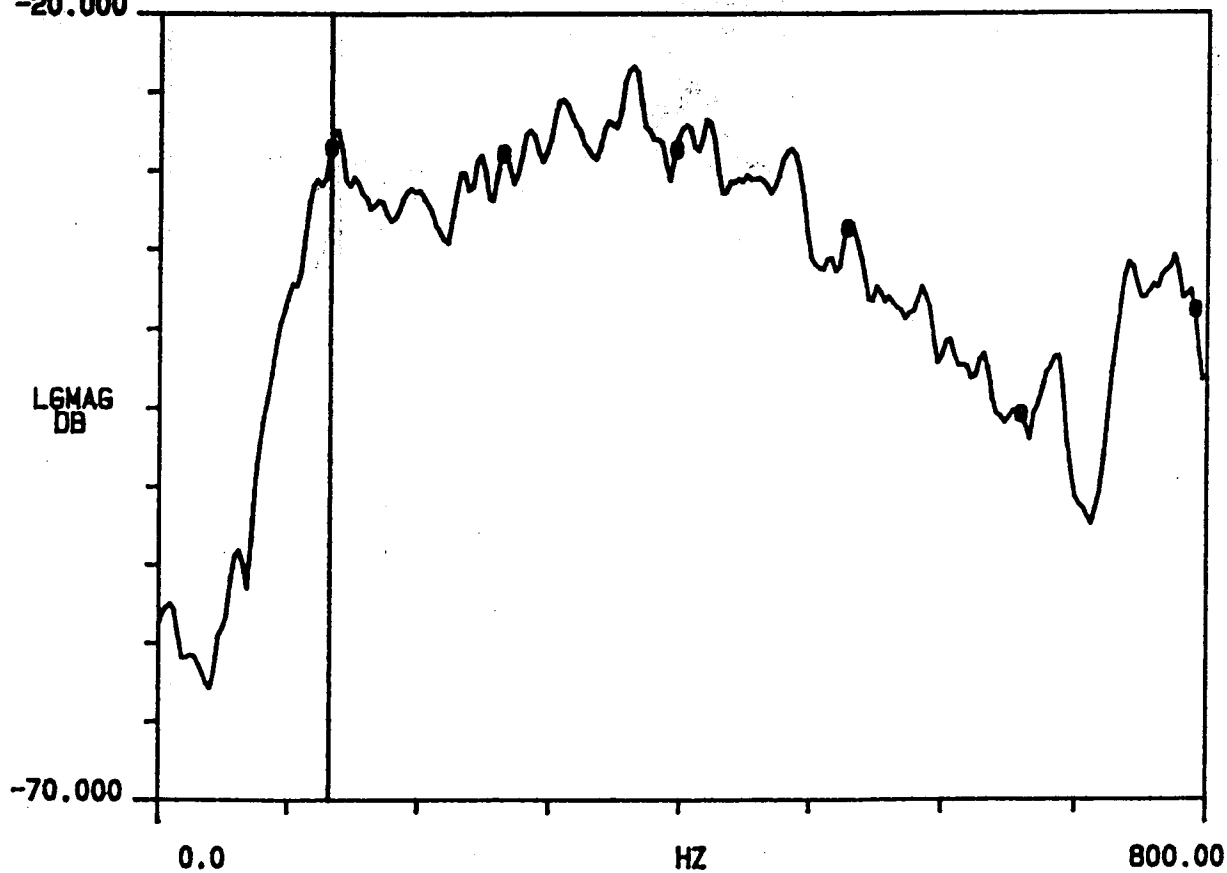
Tape A

X: 131.75  
A SPEC 1  
-20.000

Y: -28.575

#A: 100

HARMONIC







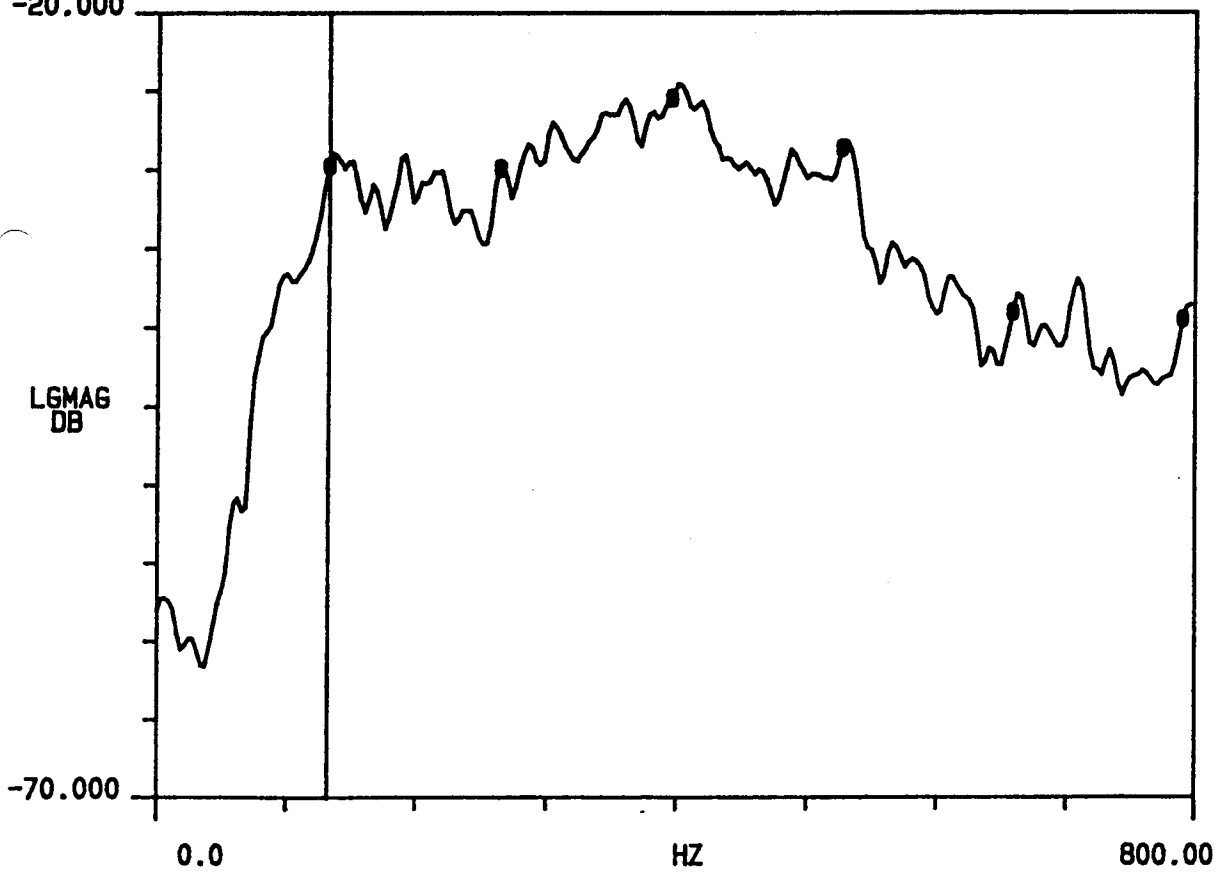
Tape A

X: 131.75  
A SPEC 1  
-20.000

Y: -29.808

#A: 100

HARMONIC





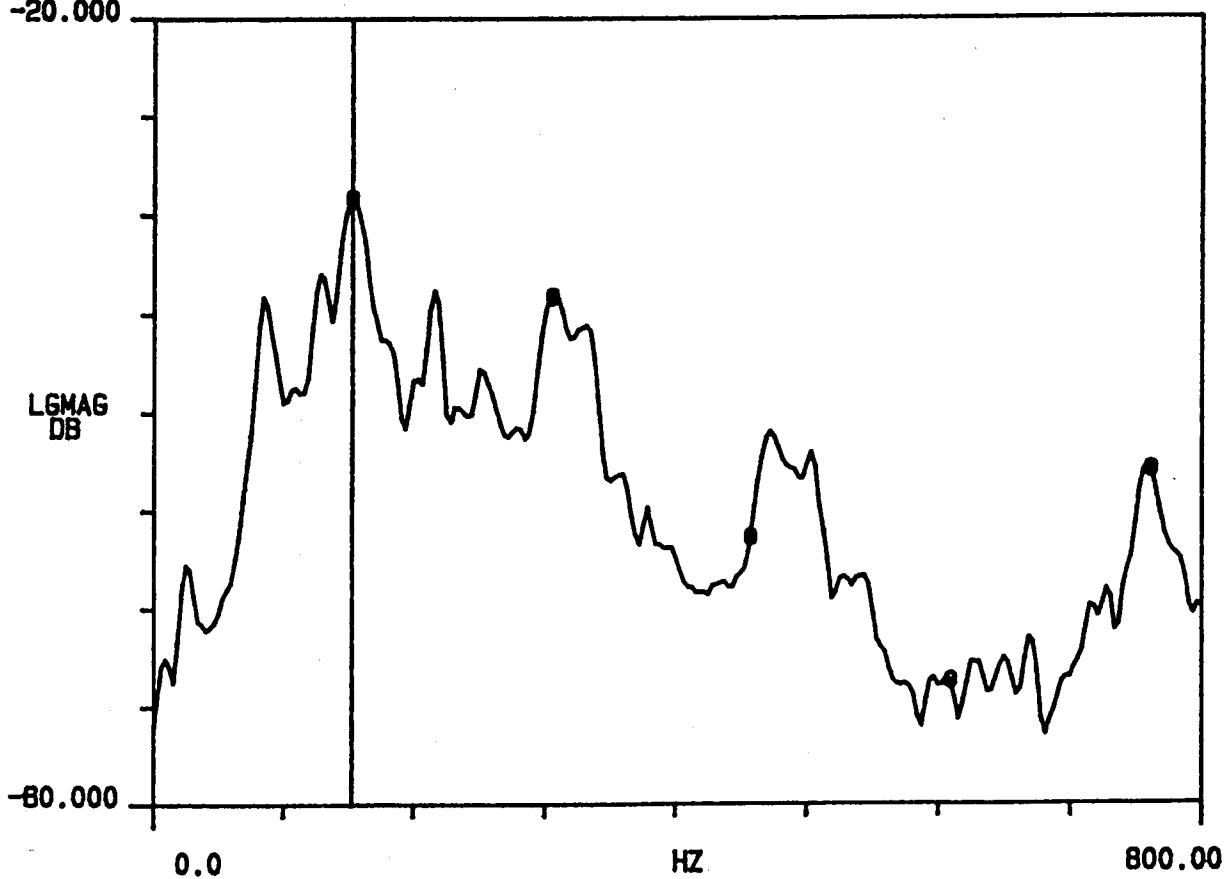
Tape B

X: 152.38  
A SPEC 1  
-20.000

Y: -29.196

#A: 100

HARMONIC





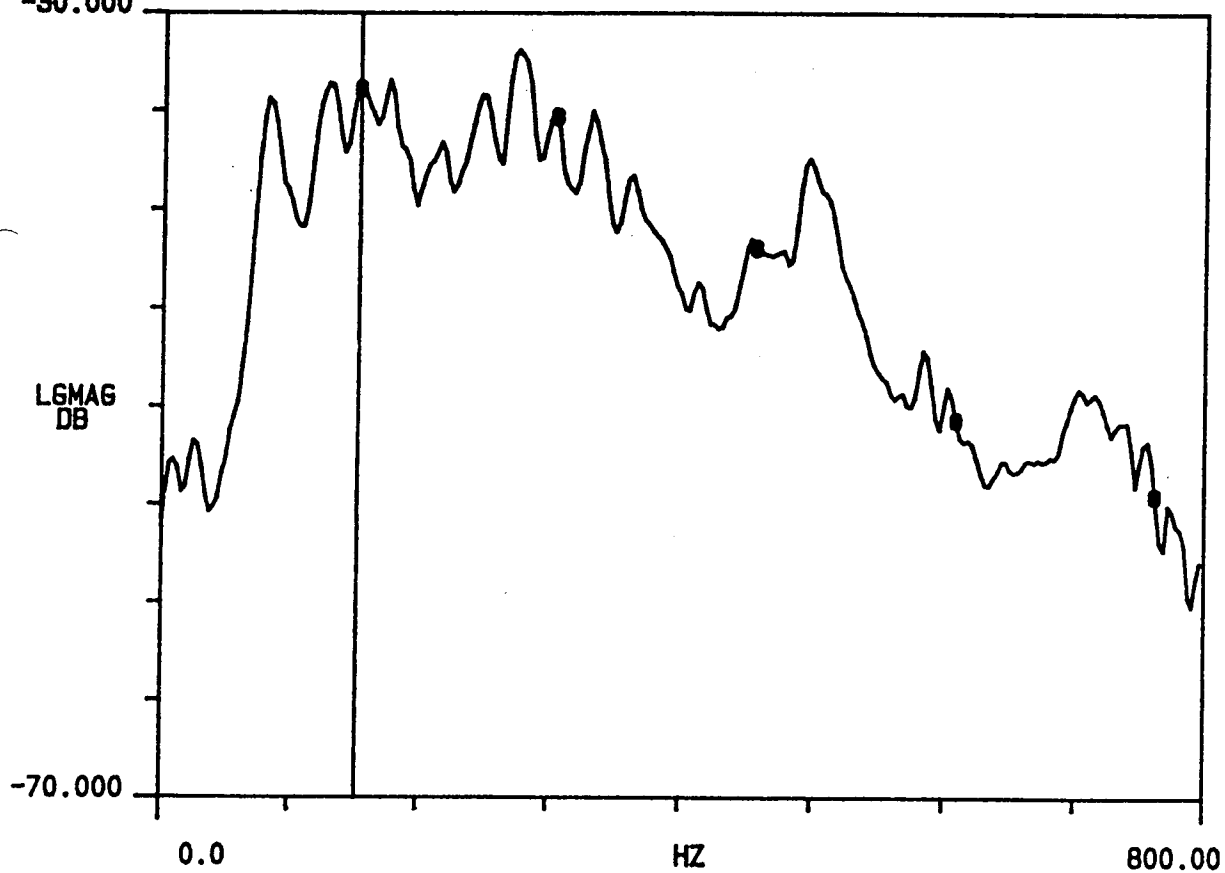
Tape B

X: 152.38  
A SPEC 1  
-30.000

Y: -33.949

#A: 100

HARMONIC





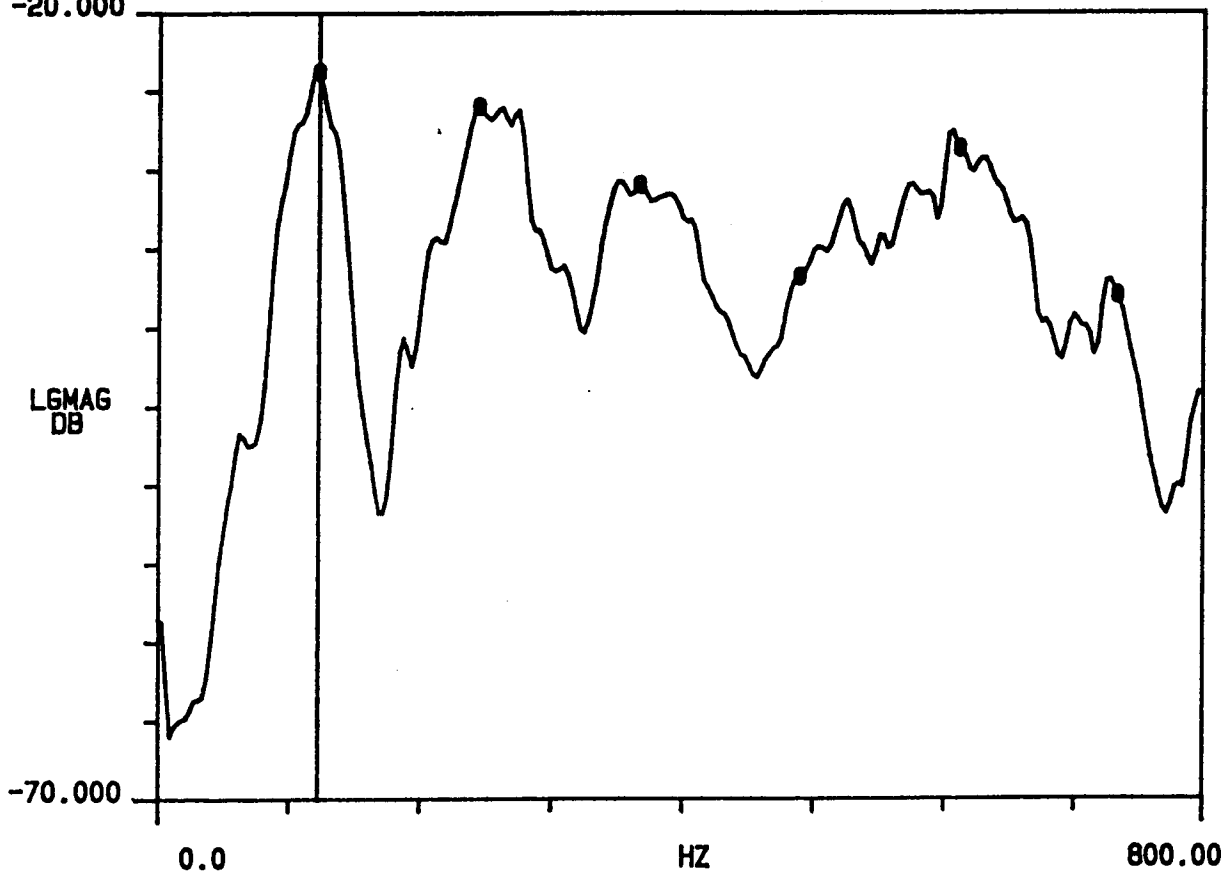
Tape C

X: 122.26  
A SPEC 1  
-20.000

Y: -23.830

#A: 100

HARMONIC





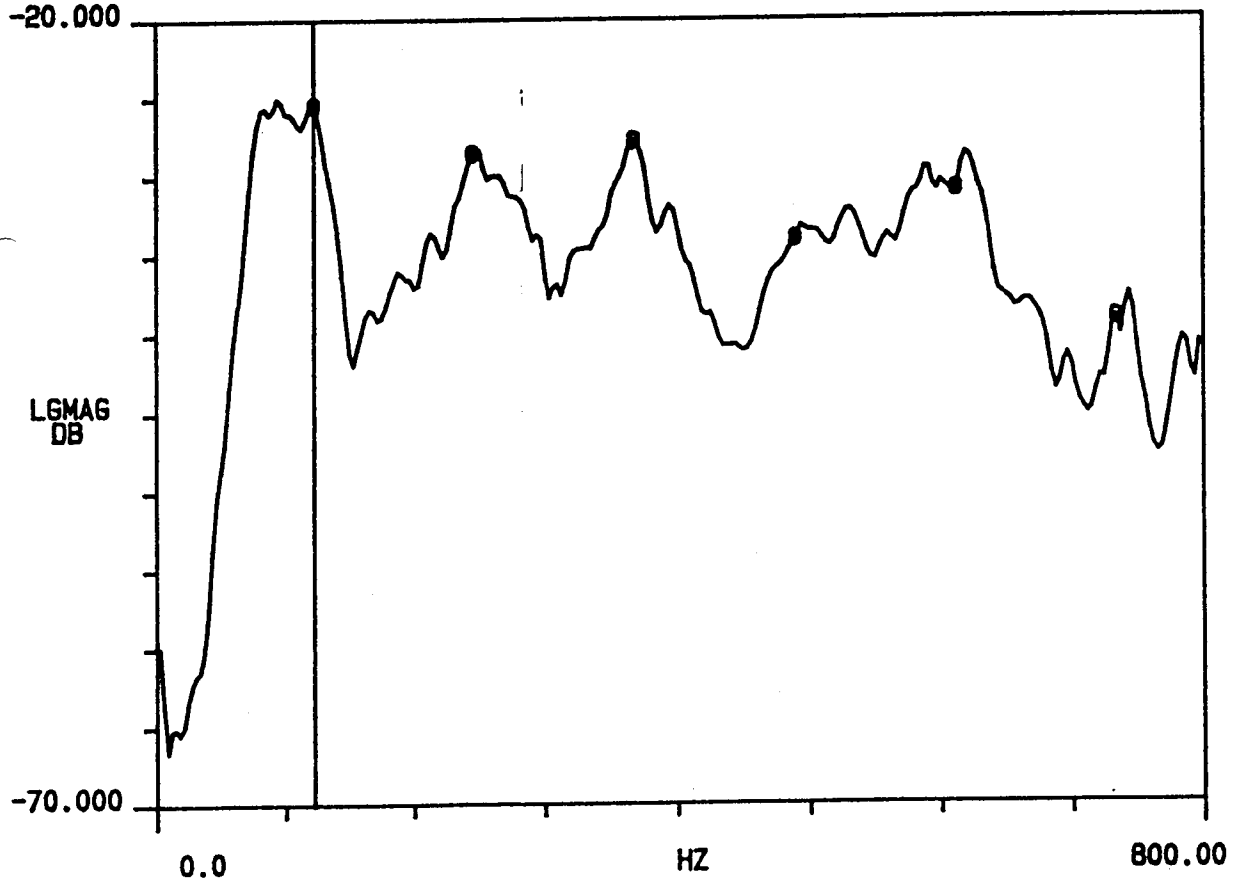
Tape C

X: 122.28  
A SPEC 1  
-20.000

Y: -25.489

#A: 100

HARMONIC





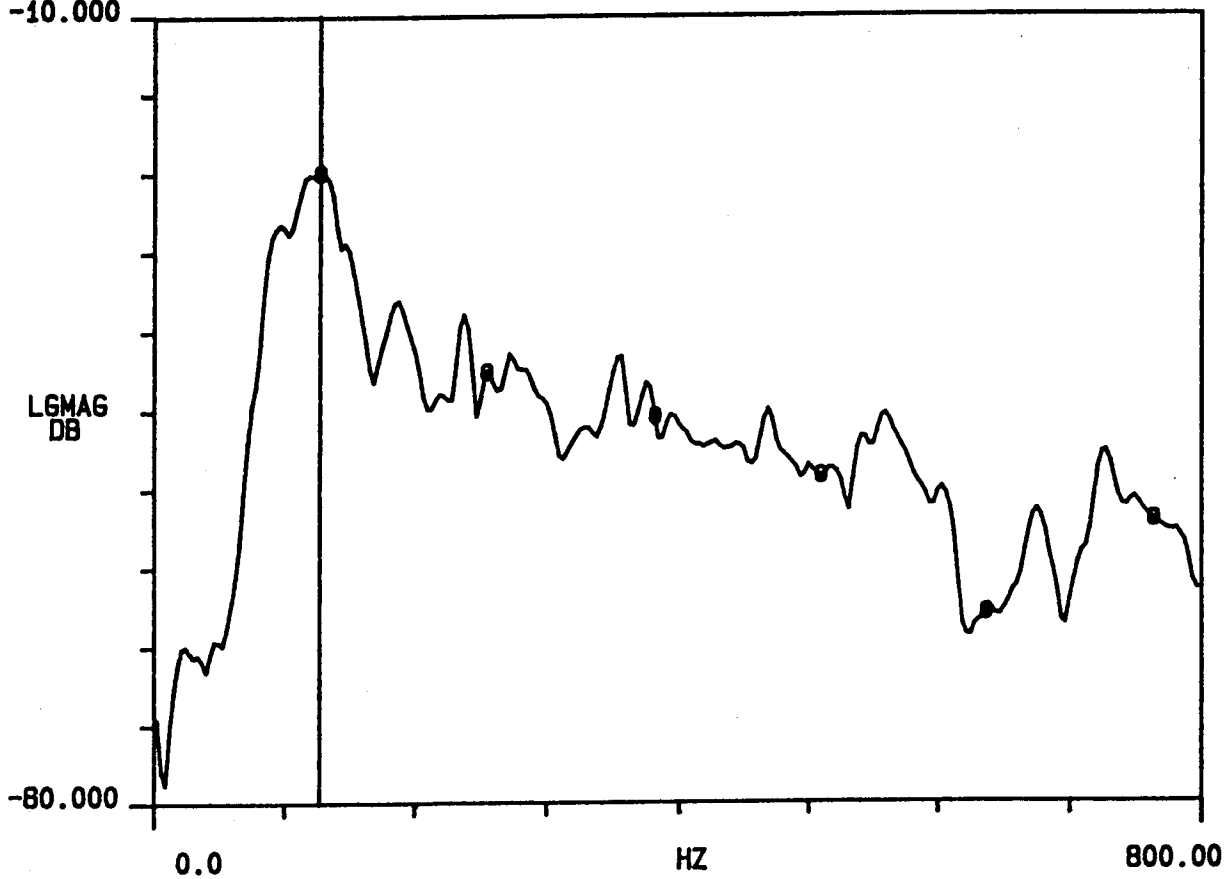
Tape D

X: 127.35  
A SPEC 1  
-10.000

Y: -20.031

#A: 100

HARMONIC





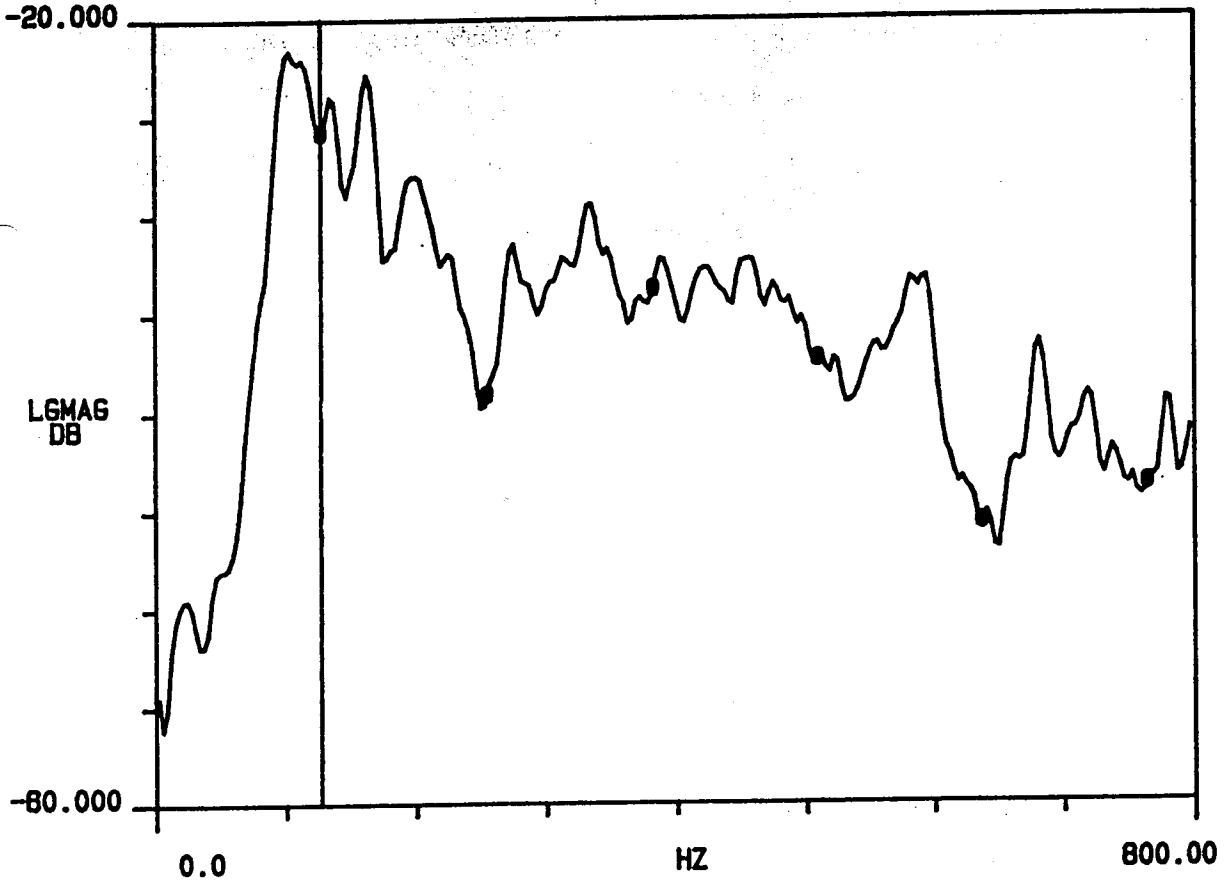
Tape D

X: 127.35  
A SPEC 1  
-20.000

Y: -25.783

#A: 100

HARMONIC





SETUP STATE

MEASUREMENT : AUTO SPECTRUM  
AVERAGE : 100 , STABLE  
SIGNAL : SINUSOIDAL  
TRIGGER : FREE RUN , CHNL 1

CENT FREQ : 150.000 HZ  
BANDWIDTH : 200.000 HZ  
TIME LENGTH : 1.28000 S

$\Delta F$  : 781.250 mHZ       $\Delta T$  : 2.50000 mS

ADC CHNL	RANGE	AC/DC	DELAY	CAL (C1/C2)
* 1	2.5 V	AC	0.0 S	1.00000
2	10 V	DC	0.0 S	1.00000



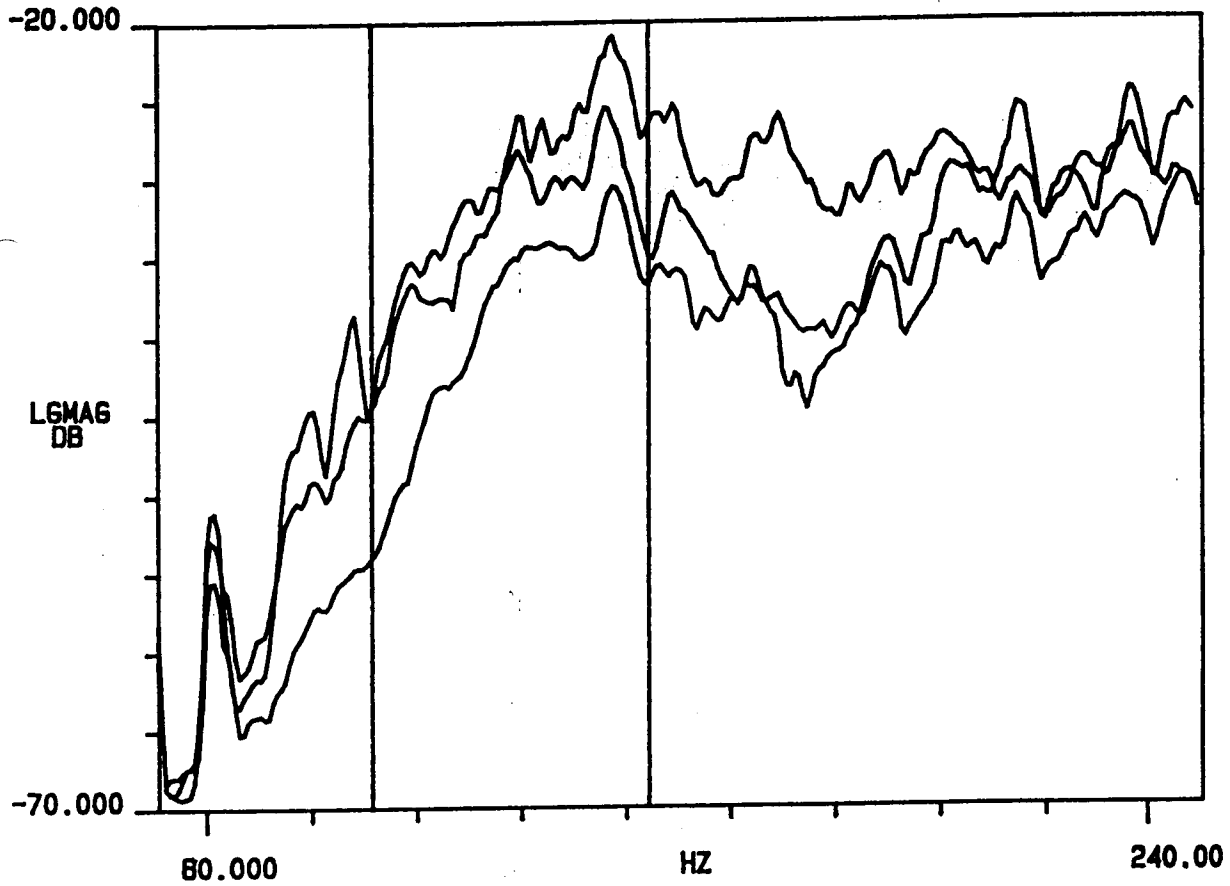


Tape A

X: 81.478  
A SPEC 1  
-20.000

$\Delta X$ : 52.987

#A: 100



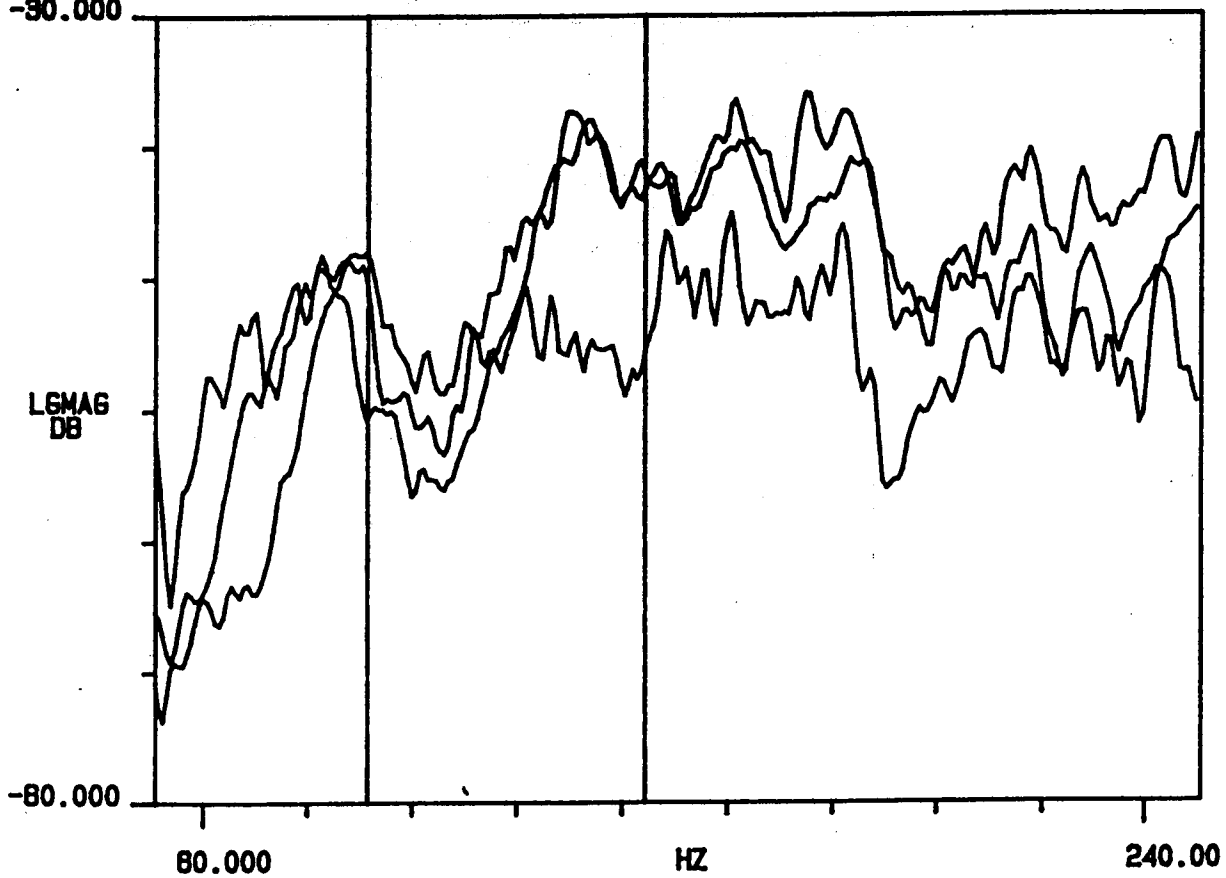


Tape B

X: 91.478  
A SPEC 1  
-30.000

$\Delta X$ : 52.967

#A: 100





Tape C

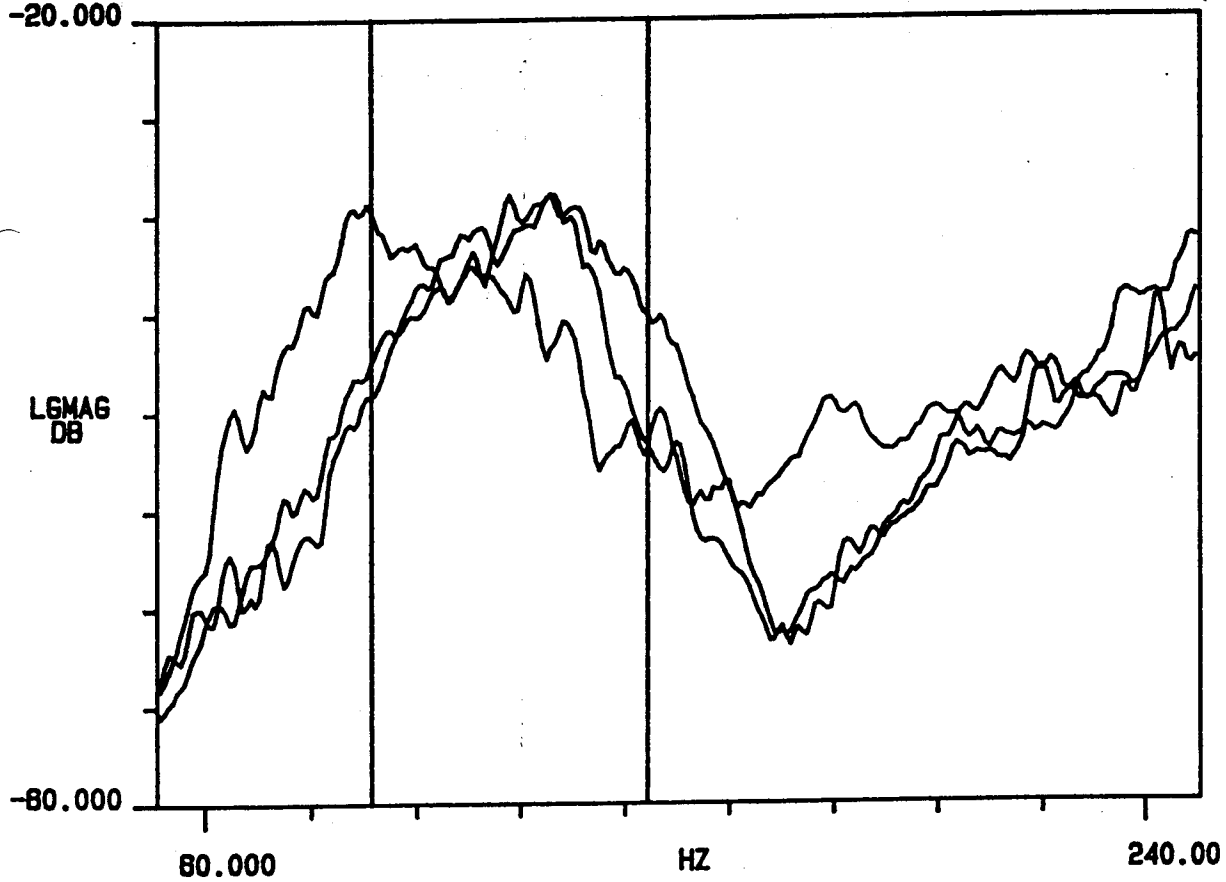
X: 91.478

$\Delta$ X: 52.987

#A: 100

A SPEC 1

-20.000



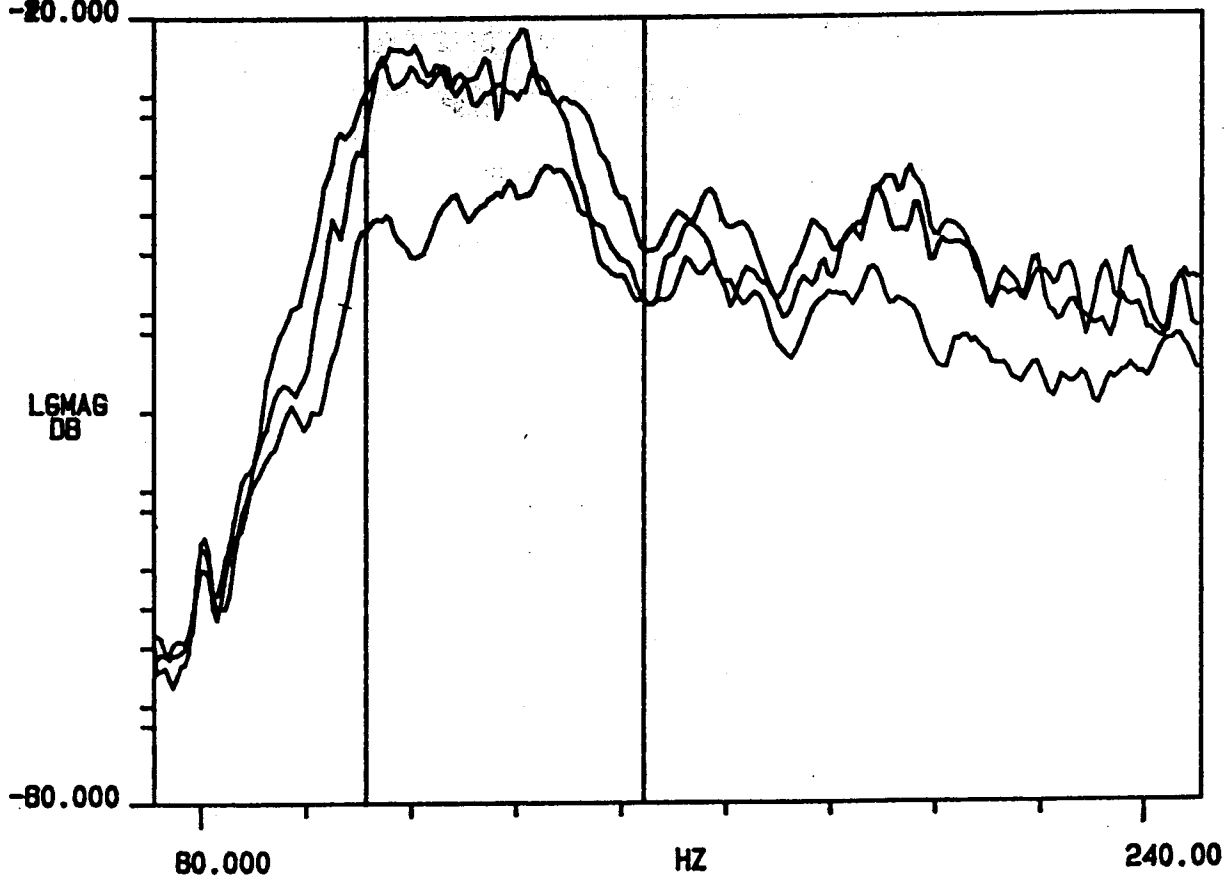


Tape D

X: 81.478  
A SPEC 1  
-20.000

$\Delta X$ : 52.987

#A: 100





SETUP STATE

MEASUREMENT : AUTO SPECTRUM  
AVERAGE : 5000 , STABLE  
SIGNAL : SINUSOIDAL  
TRIGGER : FREE RUN , CHNL 1

CENT FREQ : 0.0 HZ

BANDWIDTH : 3.20000 KHZ

TIME LENGTH : 80.0000 mS

$\Delta F$  : 12.5000 HZ

$\Delta T$  : 78.1250  $\mu$ S

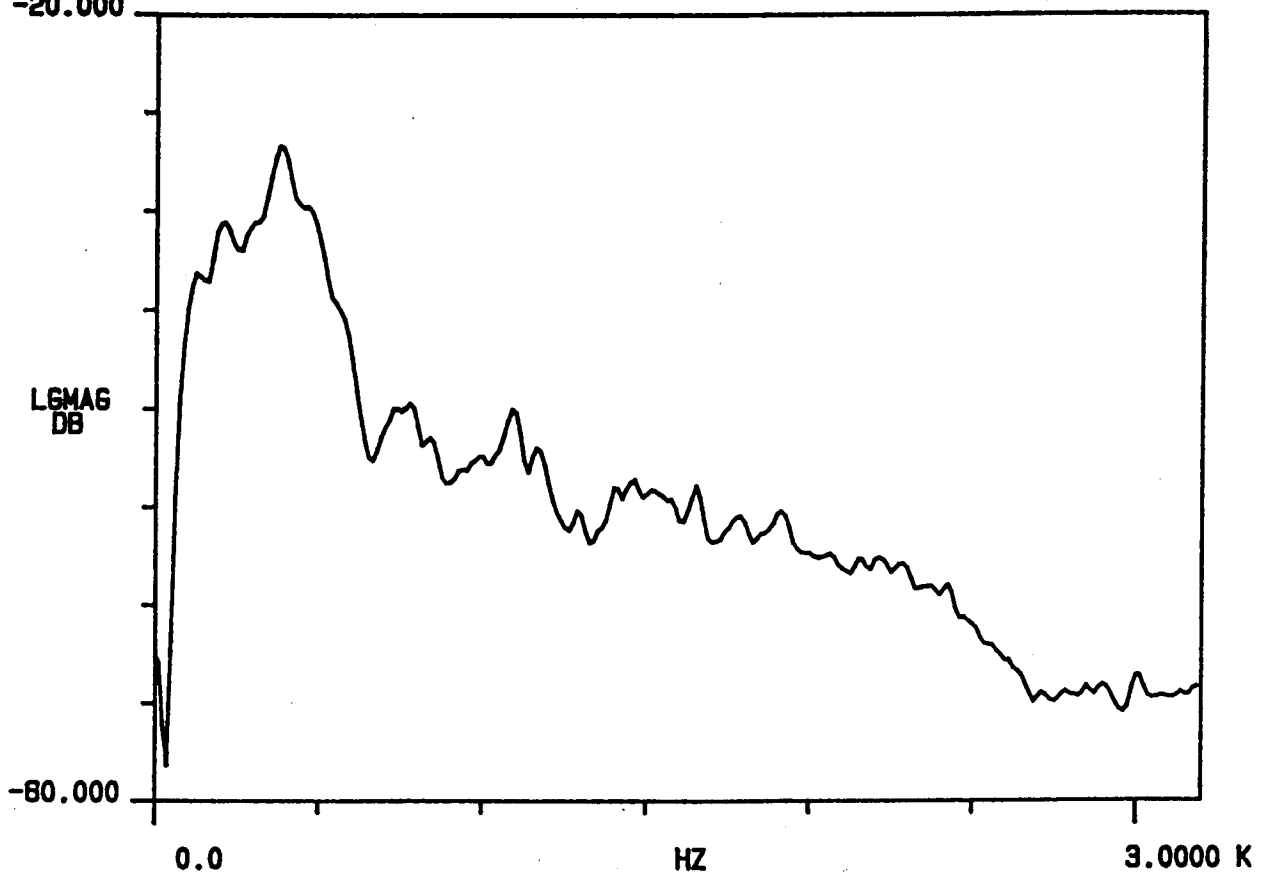
ADC CHNL	RANGE	AC/DC	DELAY	CAL (C1/C2)
* 1	2.5 V	AC	0.0 S	1.00000
2	10 V	DC	0.0 S	1.00000



Tape A

A SPEC 1  
-20.000

#A: 773





Tape B

A SPEC 1  
-30.000

#A: 914

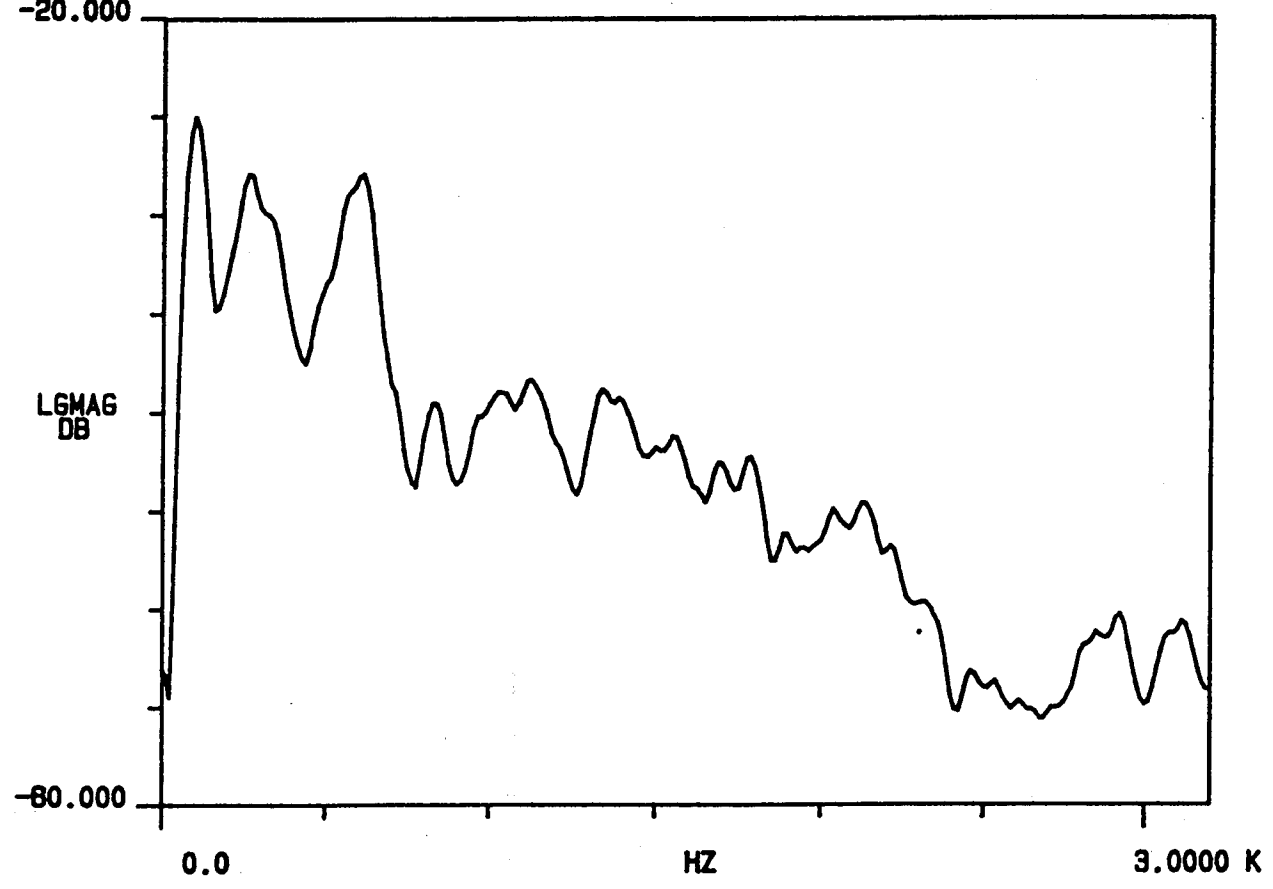




Tape C

A SPEC 1  
-20.000

#A: 985







Tape D

A SPEC 1  
-10.000

#A: 548

