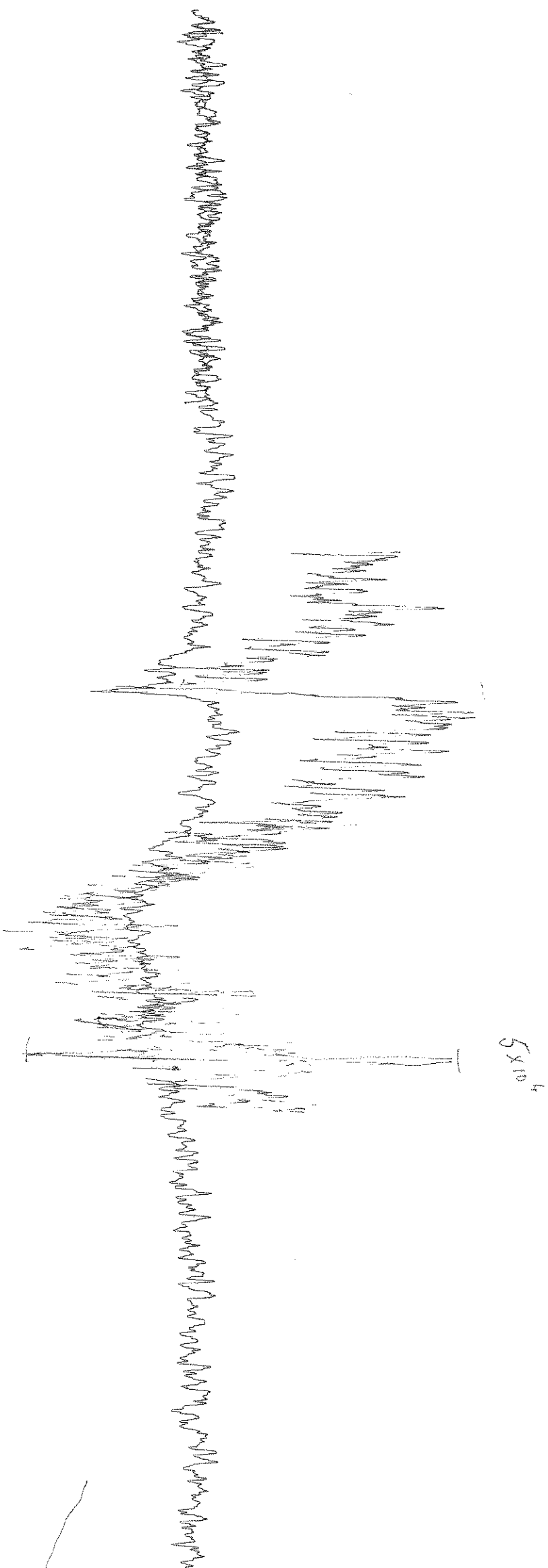


Boronlicade 4 mm od  
tube

blank run.



Field 5000 G  
Sel 10 x 1K  
Scan 1.25 x 10<sup>4</sup>

Mod 2.56

Time cond 0.25 sec

$\nu = 9.49 \text{ GHz}$

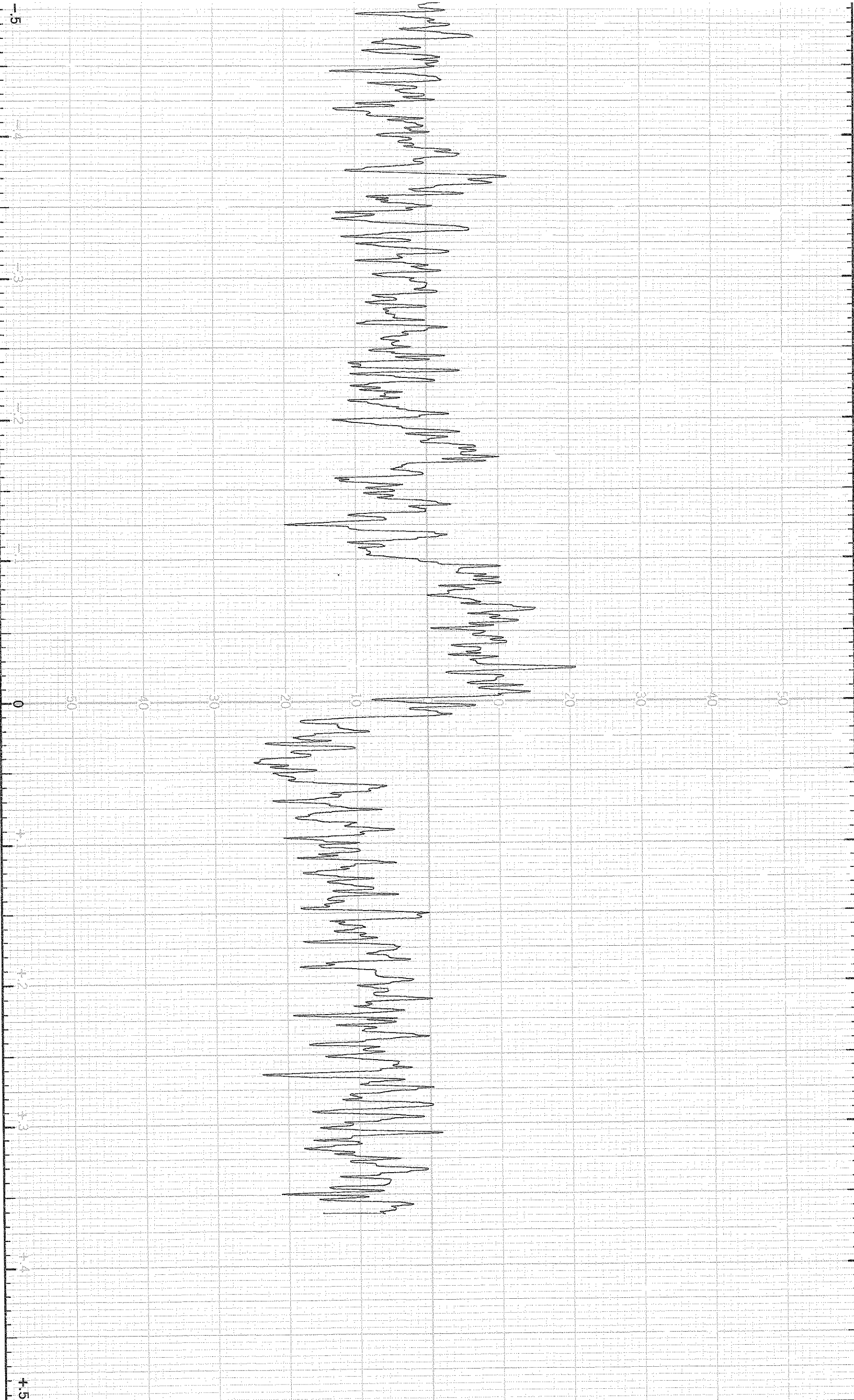
Power 1 mW

in

10 x K G 0.25 sec 25 x 1 G  
Scan Range 5000 G Time Constant hrs 4 min Modulation Amplitude 6.3 x 10<sup>4</sup>  
Modulation Frequency 100 Hz Receiver Gain 21 °C Microwave Power 1 mW  
Microwave Frequency 449 GHz

Operator JPB  
Date 07-FEB-06

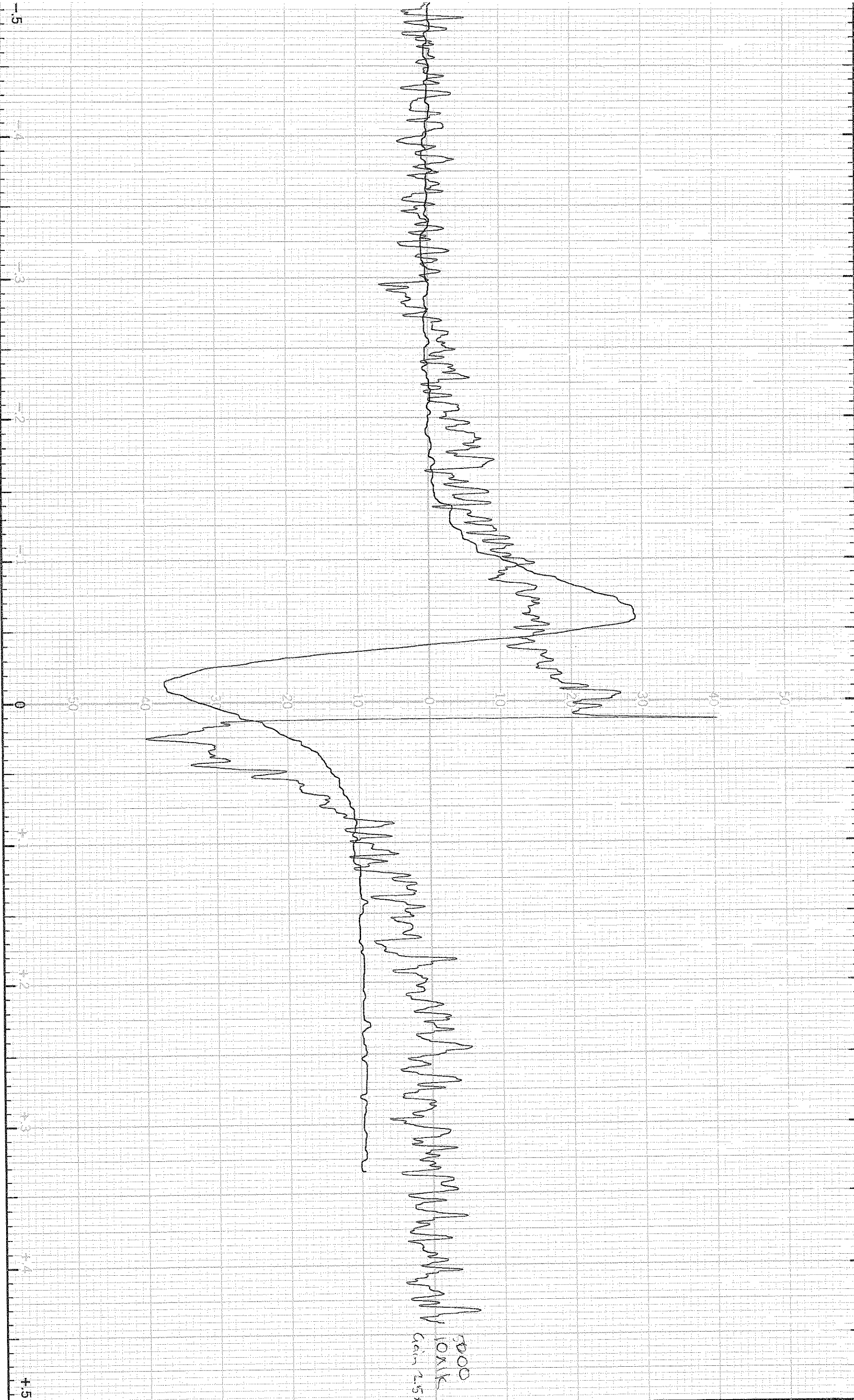
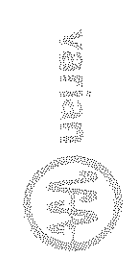
Remarks Corncob Carbon (950°C)



Scan Range  $10 \times 10$  G Time Constant 0.25 sec Modulation Amplitude 25 x 1 G Receiver Gain  $5.0 \times 10^3$  Microwave Power 1 mW  
Mid Set 1500 G Scan Time 4 hrs 4 min Modulation Frequency 100 Hz Temperature RT °C Microwave Frequency 9.49 GHz

Operator JPB  
Date 07-FEB-06

Remarks Kraft lignin carbon (450C)



Spectrum No.

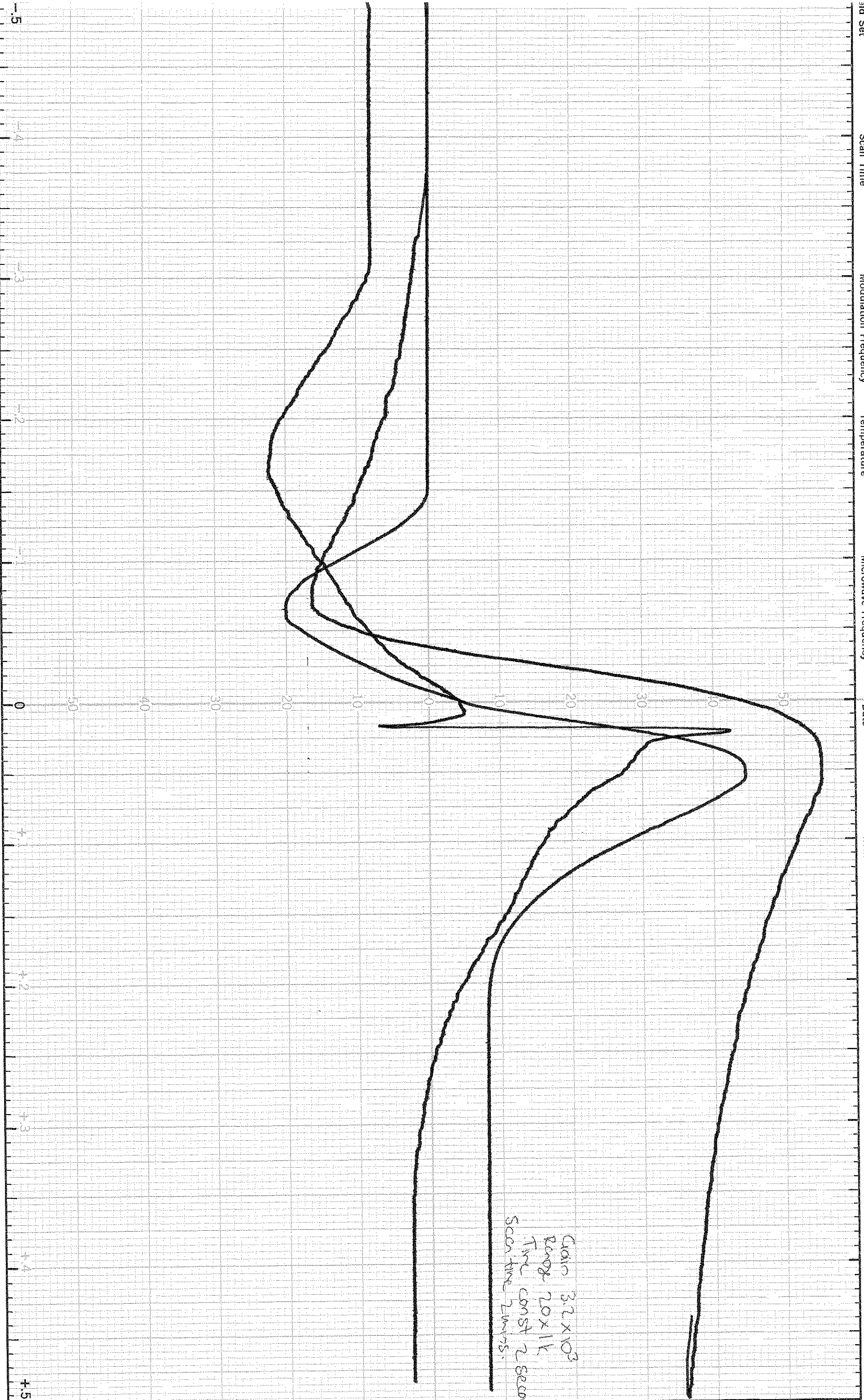
Sample

EPR CHART A

1000  
10X15  
gain 2.5X10<sup>4</sup>

Model 115A

Gain	10 x 10	g	Time Constant	0.25	sec	Modulation Amplitude	25	%	g	Receiver Gain	20	x 10 <sup>3</sup>	Microwave Power	1	mW	Operator	19-12-05	Remarks	Sucrose Charcoal
Scan Range	5000	g	Scan Time	4	hrs	100%	Hz	Temperature	RT	°C	Microwave Frequency	GHz	Date						
Std Set	3400	g																	



Scan Range



10 x 10 G

Time Constant 0.25 sec

Modulation Amplitude 25 x 1 G

Receiver Gain 20 x 10

Microwave Power 1 mW

Field Set 3400 G

Scan Time 4 hrs 4 min

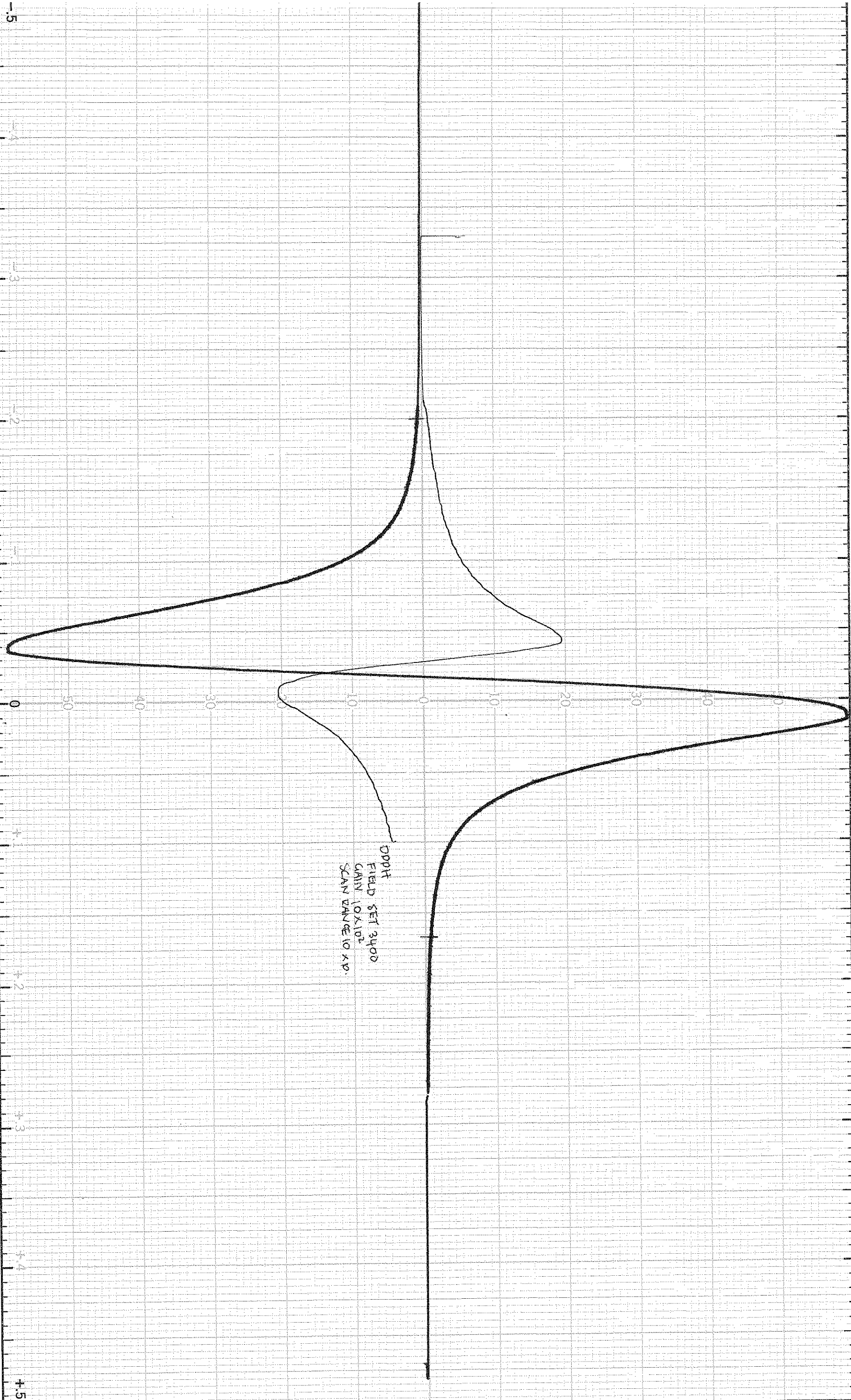
Modulation Frequency Hz

Temperature RT °C

Microwave Frequency 29.5 GHz

Operator JPB  
Date 19-12-05

Remarks Concord Char ①



Spectrum No.

Sample

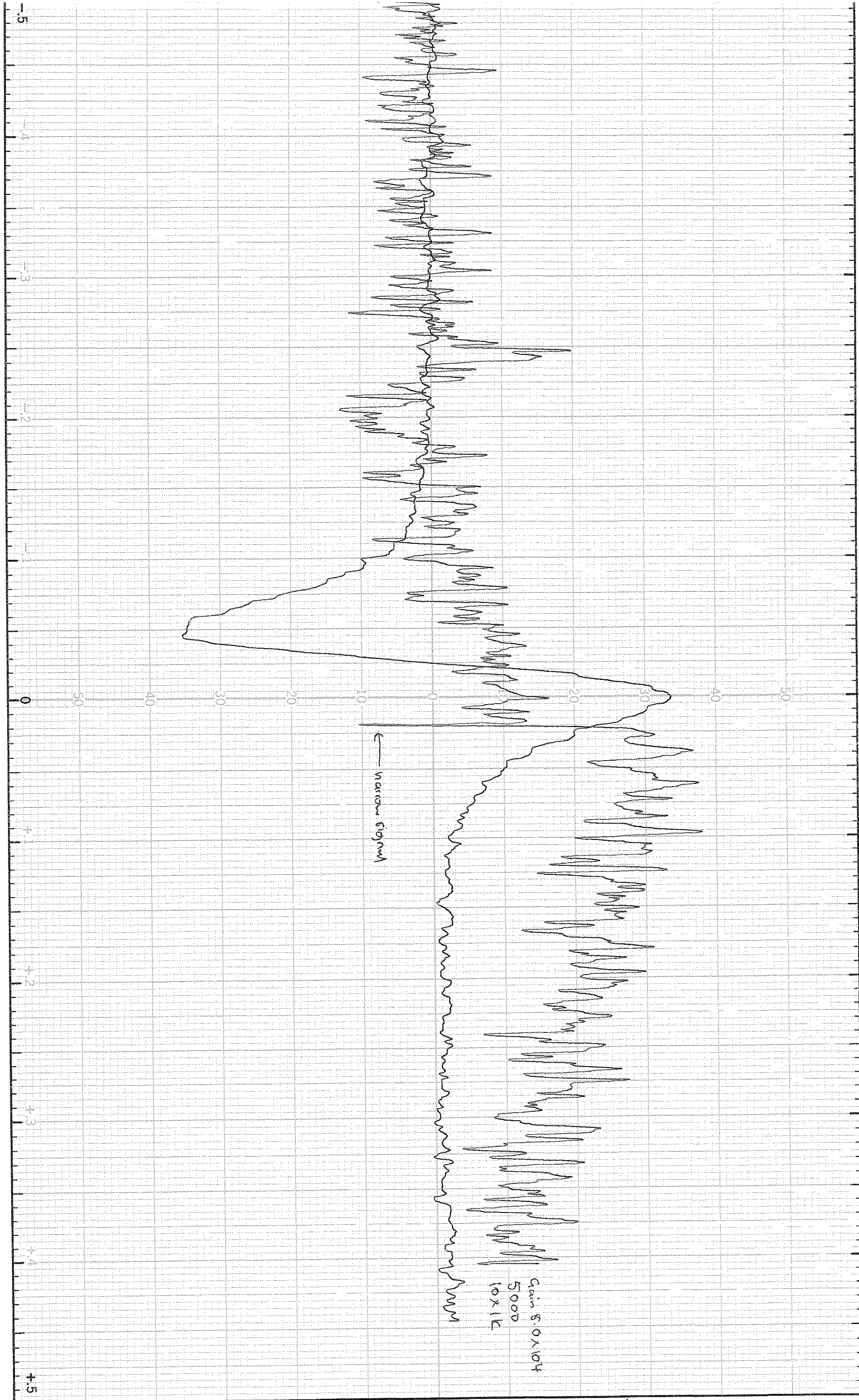
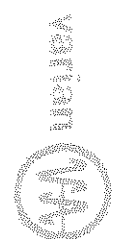
EPR CHART A

Scan Range

10 x 10 G 0.25 sec 2.5 x 1 G 10 x 10<sup>3</sup> Receiver Gain  
Scan Range 3400 G Time Constant hrs 4 min Modulation Amplitude 100 Hz  
Mid Set Scan Time Modulation Frequency Temperature °C Microwave Power 1 mW  
Microwave Frequency 9.49 GHz

JPB  
Operator  
01-02-06  
Date

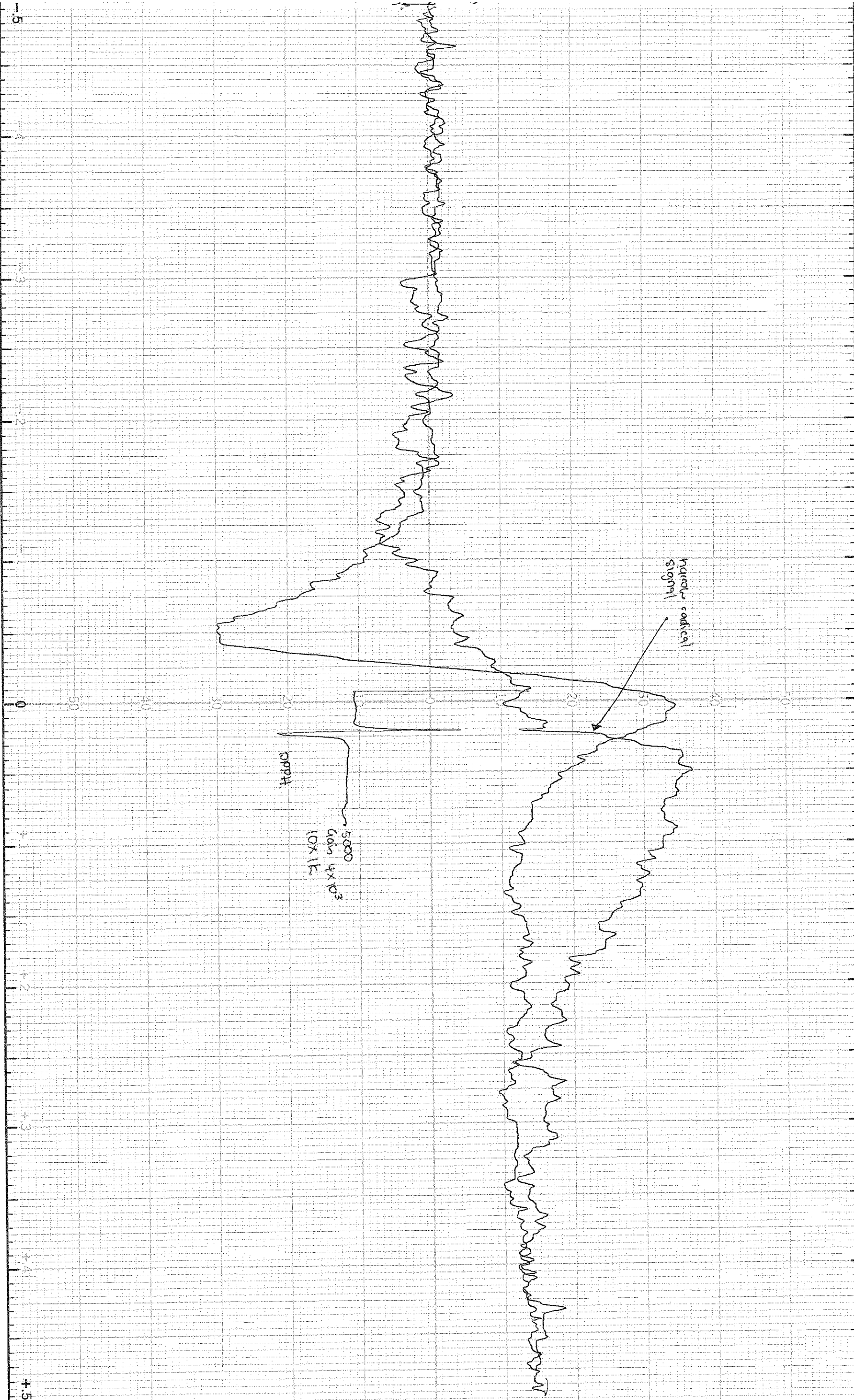
Phosphorus Doped Sucrose (Cation 19502)  
Remarks



Scan Range 10 x 10 G Time Constant 0.25 sec Modulation Amplitude 2.5 x 1 G Receiver Gain 10 x 10<sup>3</sup> Microwave Power 1 mW  
Mid Set 3400 G Scan Time hrs 4 min Modulation Frequency 100 Hz Temperature RT °C Microwave Frequency 9.49 GHz

Operator JPB  
Date 07-02-06

Remarks Sucrose Carbon (9502)

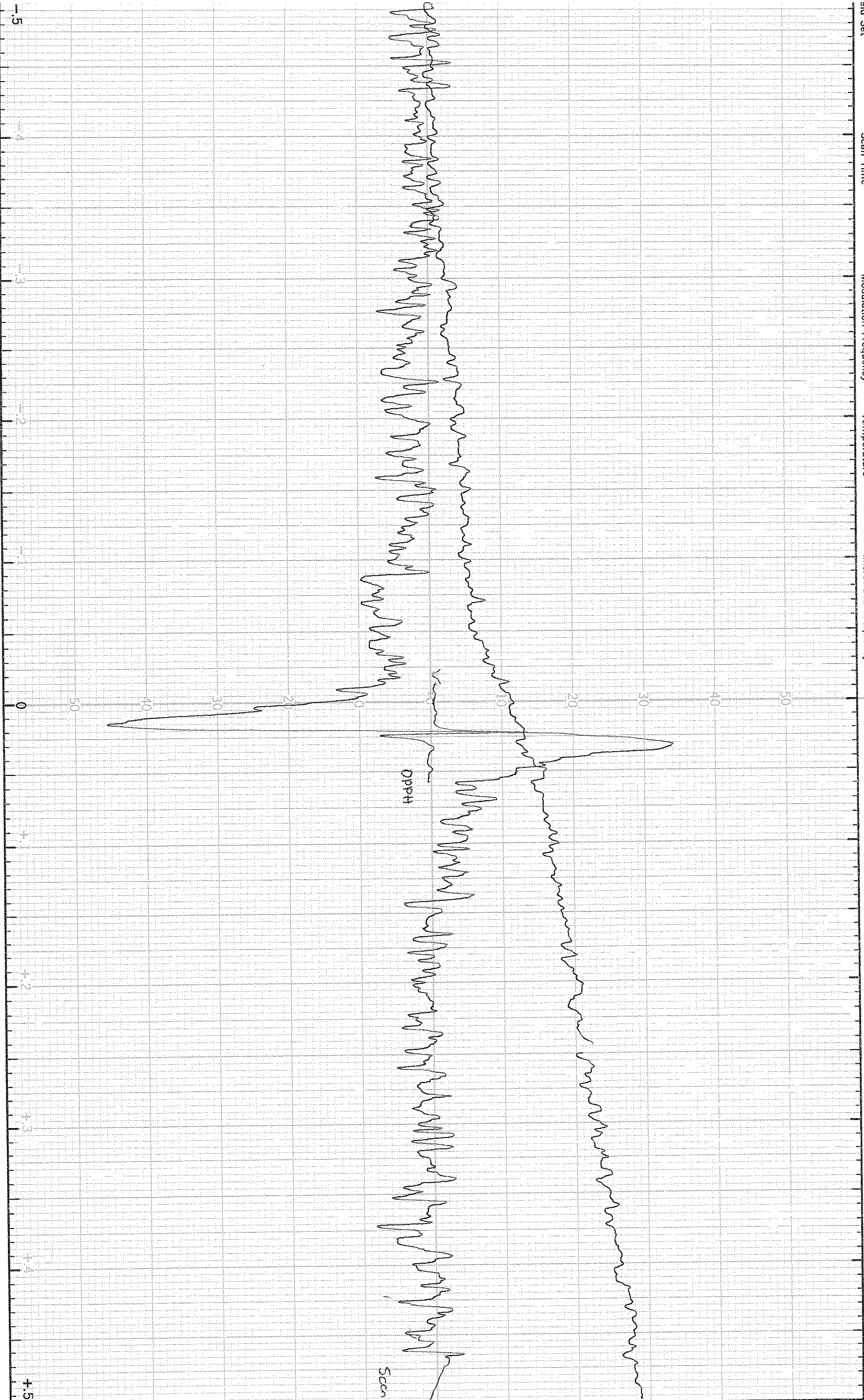




10 x 10 6 0.25 sec 2.5 x 1 6 10 x 10<sup>3</sup> 1 mW  
Scan Range 3400 6 Time Constant hrs 4 min Modulation Amplitude 100 Hz Receiver Gain RT °C Microwave Power 9.49 GHz  
Mid Set Scan Time Modulation Frequency Temperature Microwave Frequency

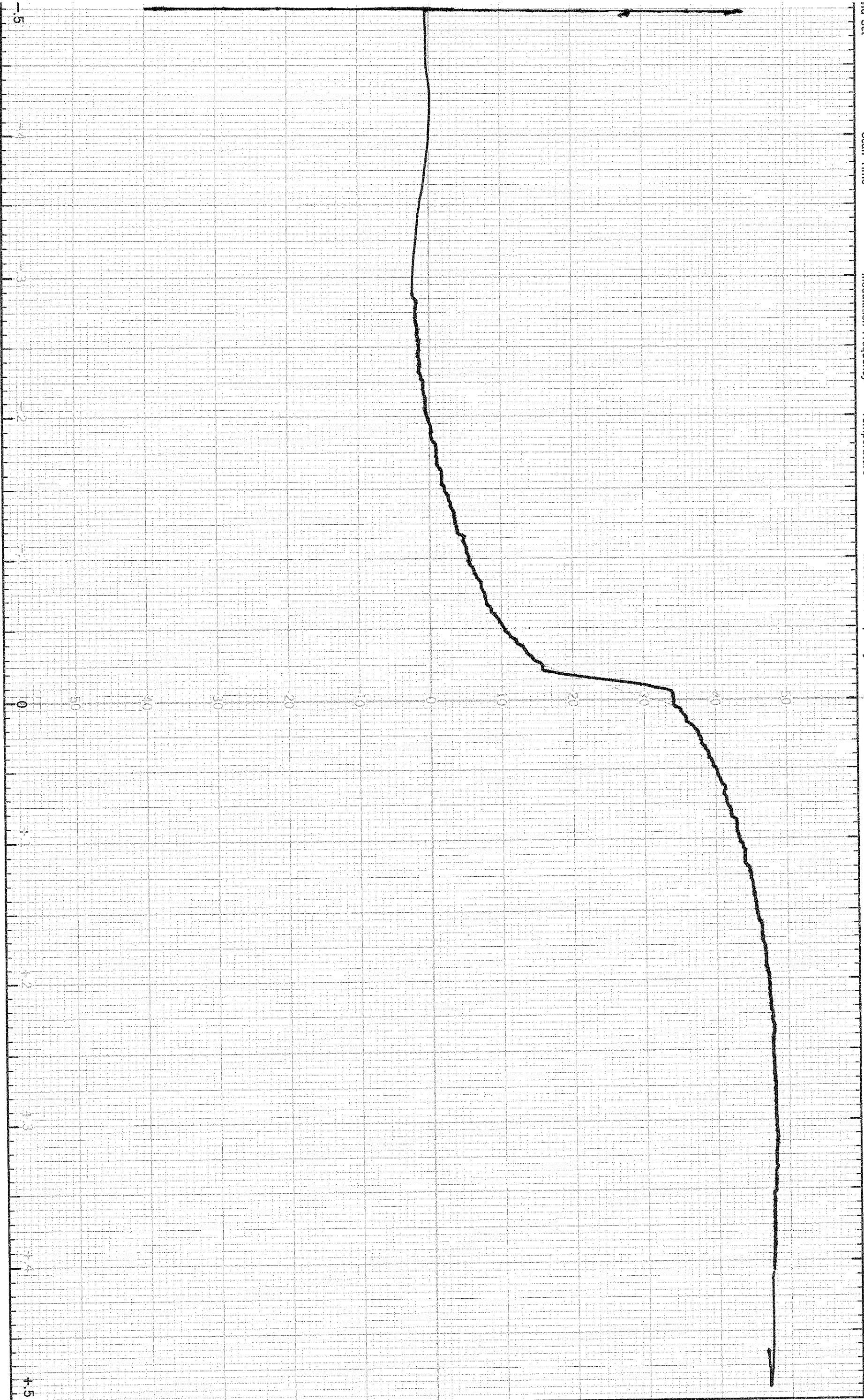
JPB  
Operator  
7-02-06  
Date

Baron Doped Sucrose Carbon (950K)  
Remarks





10 x 10	g	0.25	sec	25 x 10 <sup>4</sup>	g	3.2	x 10 <sup>3</sup>	1	mW	JPB	19-12-05	Canada Canada 750°C
an Range		Time Constant		Modulation Amplitude		Receiver Gain		Microwave Power		Operator	Date	Remarks
3400	g	hrs 4 min		100	Hz	RT	°C	4495	GHz			
Mid Set		Scan Time		Modulation Frequency		Temperature		Microwave Frequency				



Scan Range

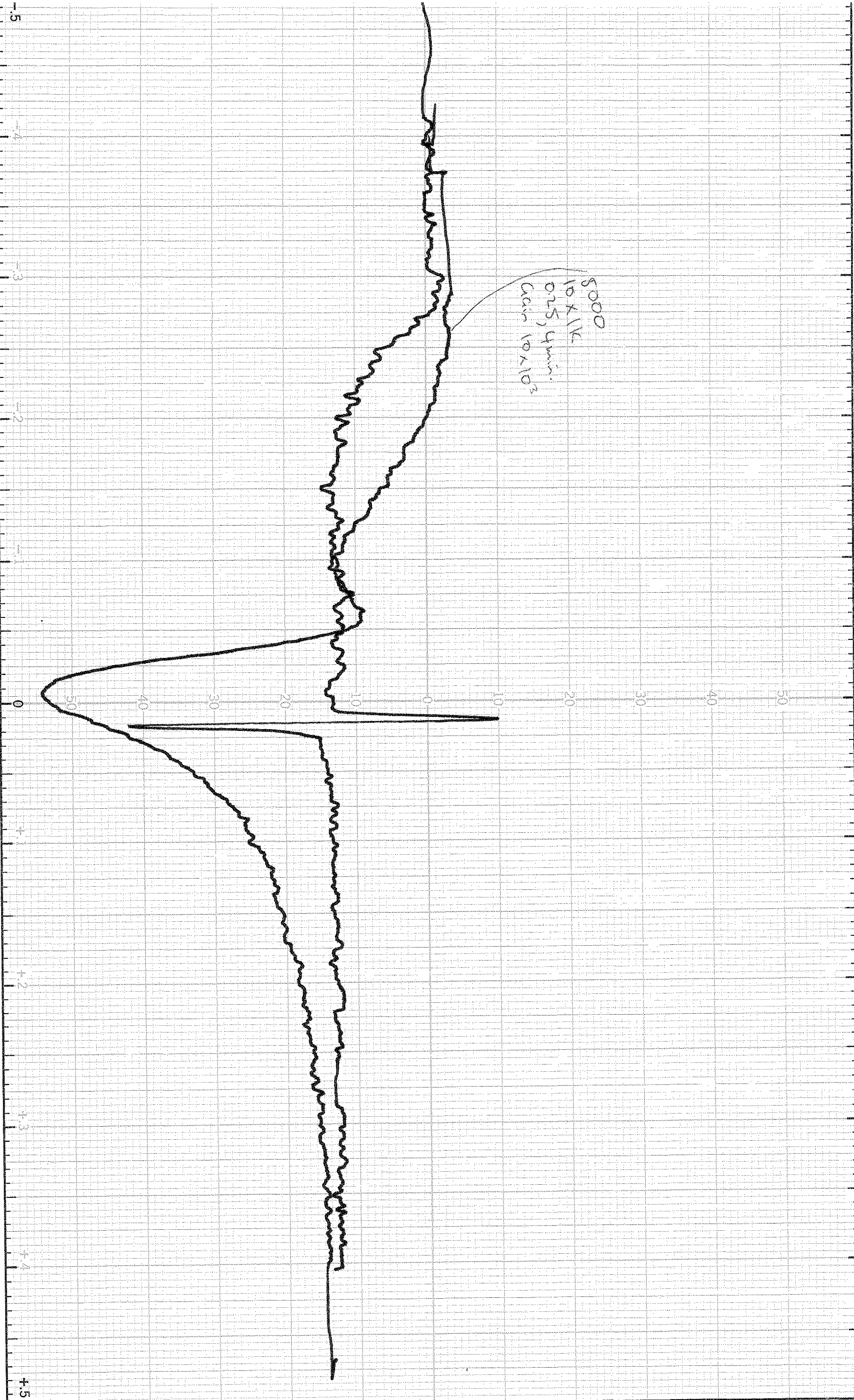




an Range  $10 \times 10$  G Time Constant  $0.25$  sec Modulation Amplitude  $25 \times 1$  G Receiver Gain  $5 \times 10^3$  Microwave Power  $1$  mW  
Mid Set  $3400$  G Scan Time  $4$  min Modulation Frequency  $100$  K Hz Temperature  $27$  °C Microwave Frequency  $9.49$  GHz

Operator \_\_\_\_\_ Date \_\_\_\_\_  
Remarks Synthetic Graphite

5000  
 $10 \times 10$   
 $0.25, 4 \text{ min.}$   
Gain  $10 \times 10^3$



an Range 10 x 10 g

Time Constant 0.25 sec

Modulation Amplitude 2.5 x 1 g

Receiver Gain 125 x 10

Microwave Power 1 mW

Mid Set 3400 g

Scan Time 4 hrs 4 min

Modulation Frequency 100 K Hz

Temperature RT °C

Microwave Frequency 9.495 GHz

Operator

Date

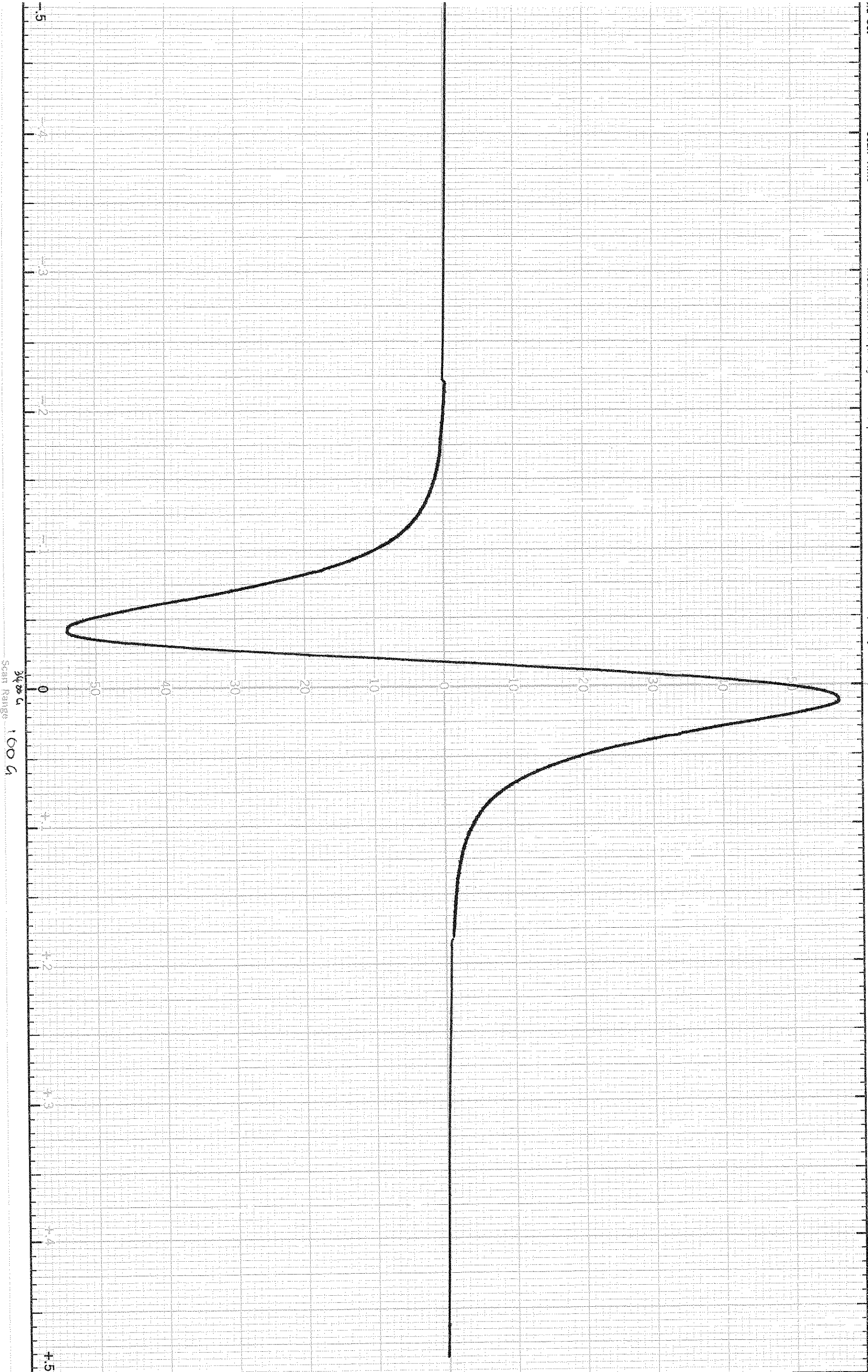
Remarks

Oakwood Chemical



Sample

Spectrum No.





Scan Range  $10 \times 10$  G

Time Constant  $0.25$  sec

Modulation Amplitude  $2.5 \times 1$  G

Receiver Gain  $125 \times 10$

Microwave Power  $1$  mW

Mod Set  $3400$  G

Scan Time  $4$  hrs  $4$  min

Modulation Frequency  $100\text{K}$  Hz

Temperature  $RT$  °C

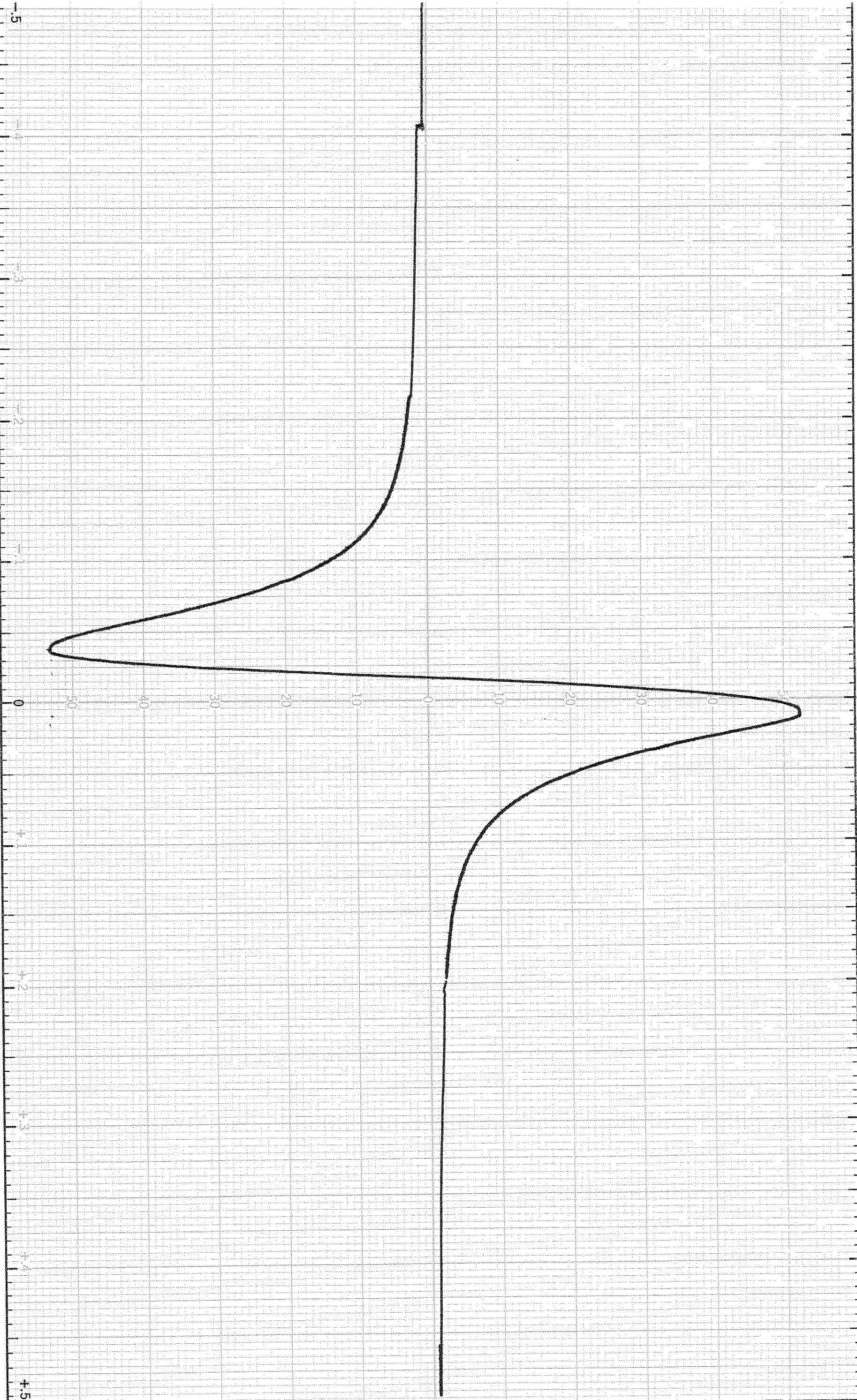
Microwave Frequency \_\_\_\_\_ GHz

Operator \_\_\_\_\_

Date \_\_\_\_\_

Remarks

Demagnetized Corundum Charcoal





Model 113A

10 x 10

Scan Range 10 x 10  
3400, 5000

Gain Set 3400, 5000

Time Constant 0.25 sec

Scan Time 4 min

Modulation Amplitude 2.5 x 1

Modulation Frequency 100 K Hz

Receiver Gain 125 x 10

Temperature RT °C

Microwave Power 1 mW

Microwave Frequency 9.495 GHz

Operator

Date

Remarks

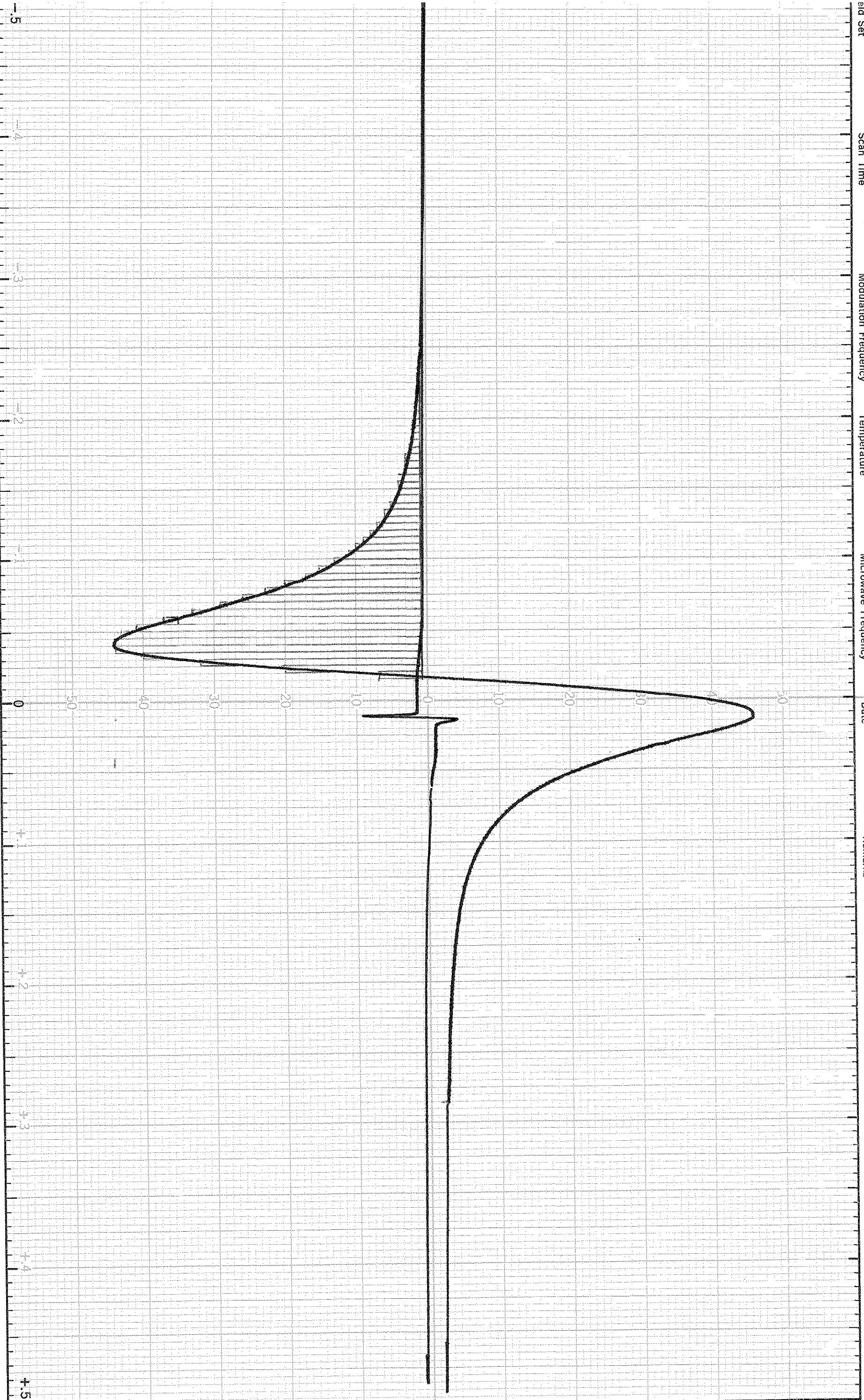
Marshall Chancel



EPR CHART A

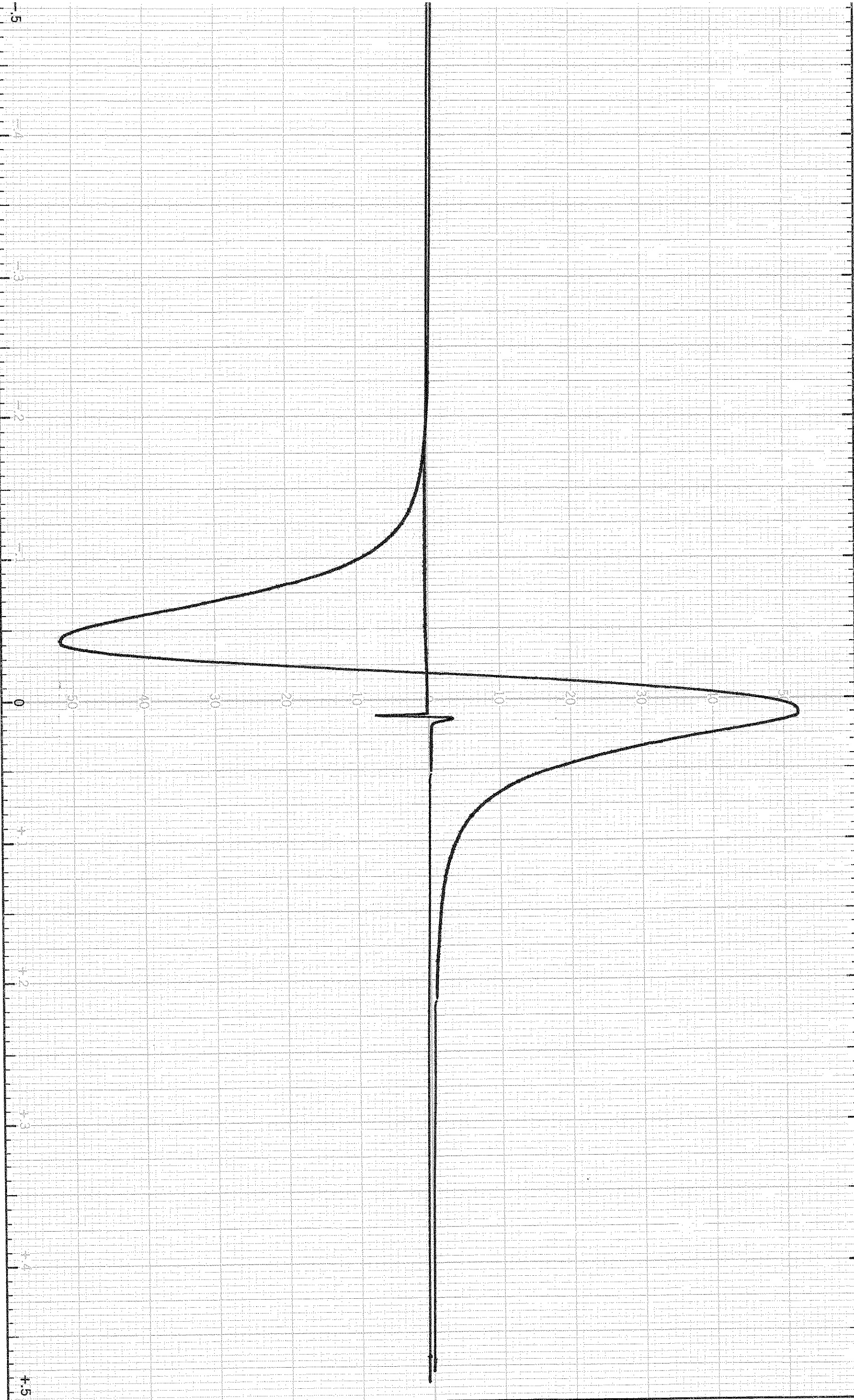
Sample

Spectrum No.



Scan Range

10 x 10  
10 x 10  
an Range 5000  
2400 g  
Time Constant 0.25 sec  
hrs 4 min  
Modulation Amplitude 25 x 1 g  
100 x Hz  
Receiver Gain 50 x 10  
RT °C  
Microwave Power 1  
944 GHz  
Operator JPB.  
Date 19-DEC-05  
Remarks Boron Doped Corundum Crystal



10 x 1k g

0.250 sec

25 x 1 g

4 x 10<sup>4</sup>

1 mw

Operator

Date

Activated Coconut Carbon 62224



5000 g

Scan Time

hrs 8 min

Modulation Amplitude

100 K Hz

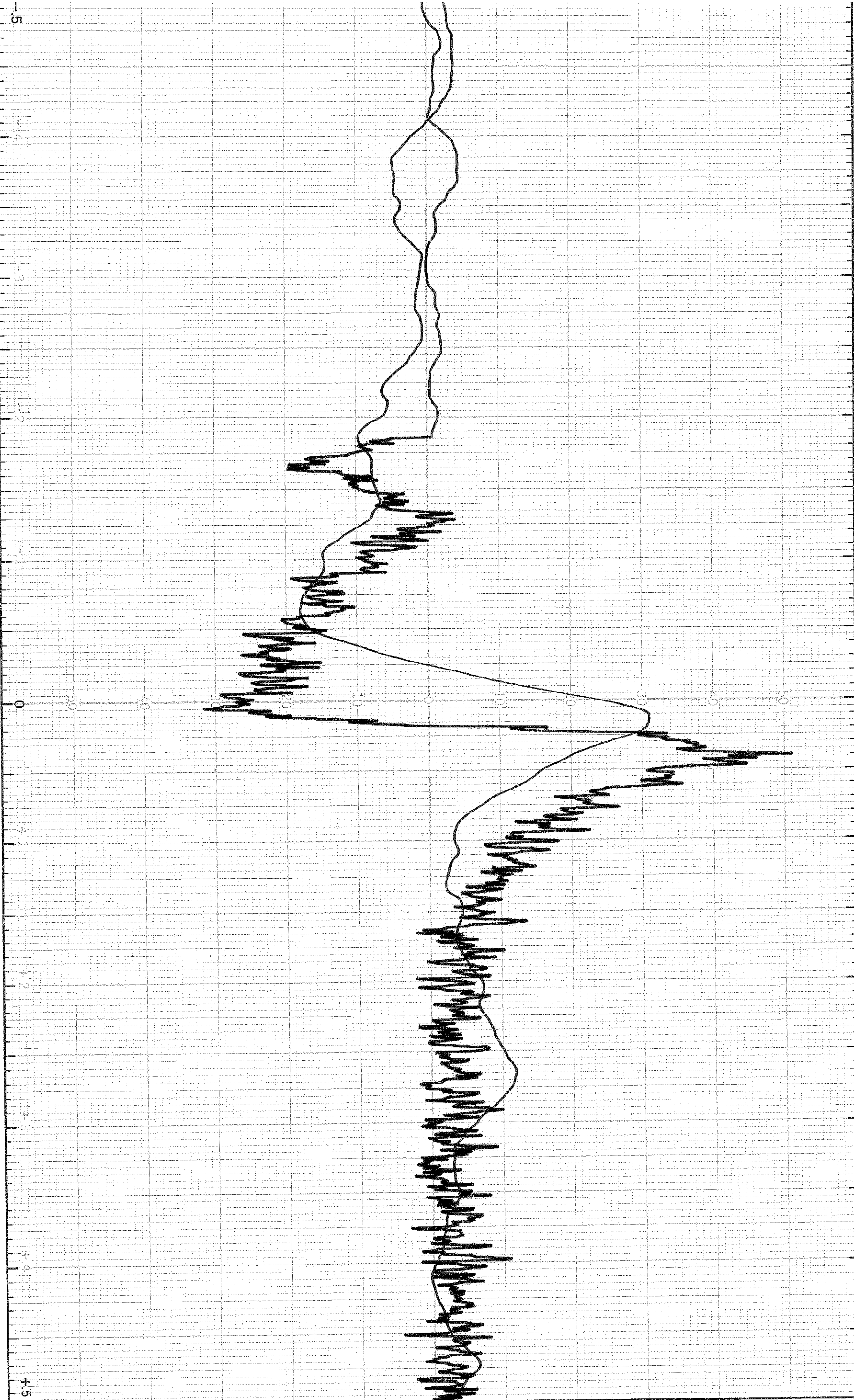
Temperature

RT °C

Microwave Frequency

9.49 GHz

Remarks



Spectrum No.

Sample

EPR CHART A

Scan Range



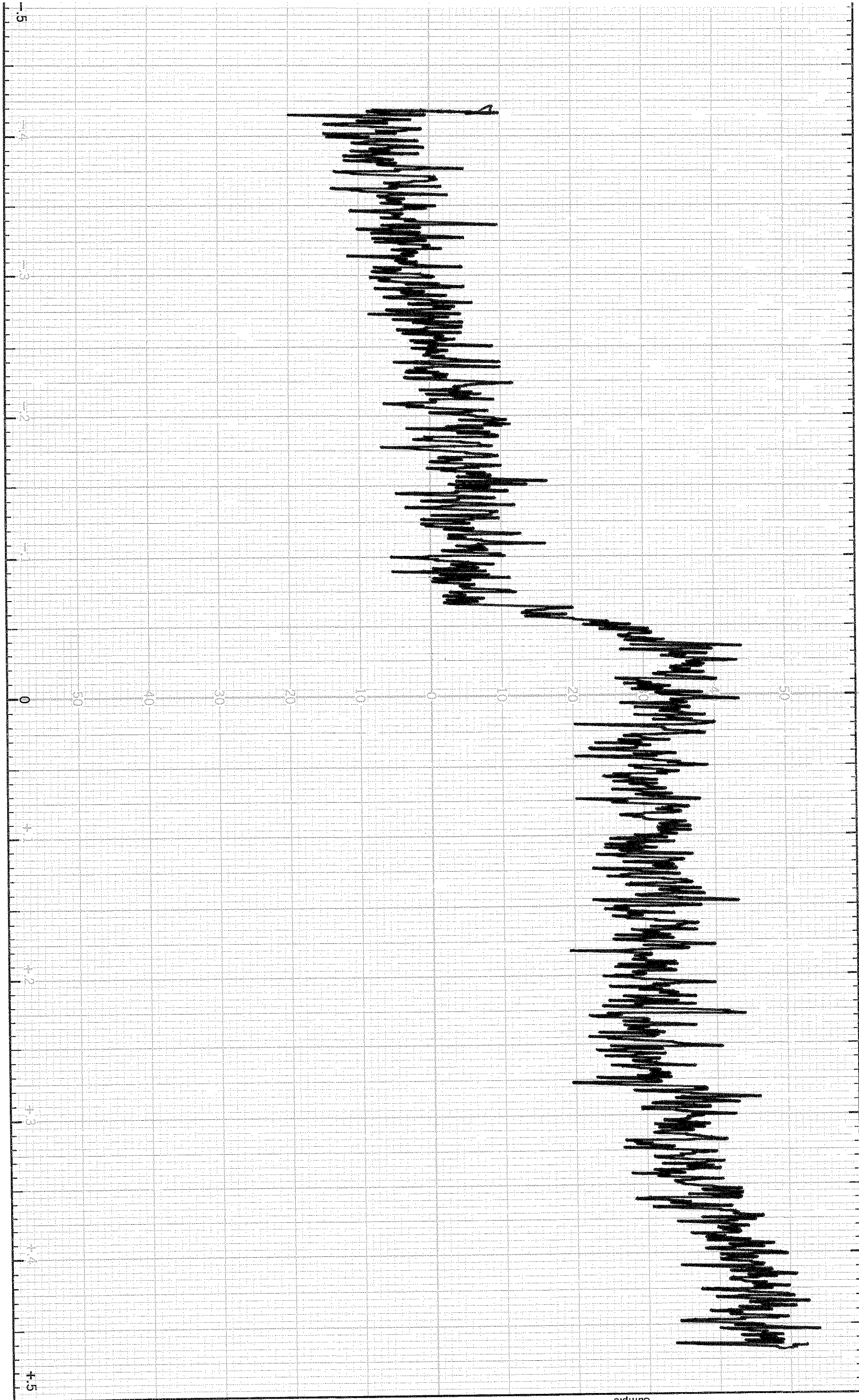
10 x 10 g 0.25 sec 25 x 6.3 x 10<sup>2</sup> 1 mw  
an Range Time Constant Modulation Amplitude Receiver Gain Microwave Power  
3400 g hrs 4 min 100 Hz 27 °C  
Mid Set Scan Time Modulation Frequency Temperature Microwave Frequency GHz

Operator \_\_\_\_\_  
Date \_\_\_\_\_  
Remarks Ac coconut carbon.



Sample

Spectrum No.



Scan Range

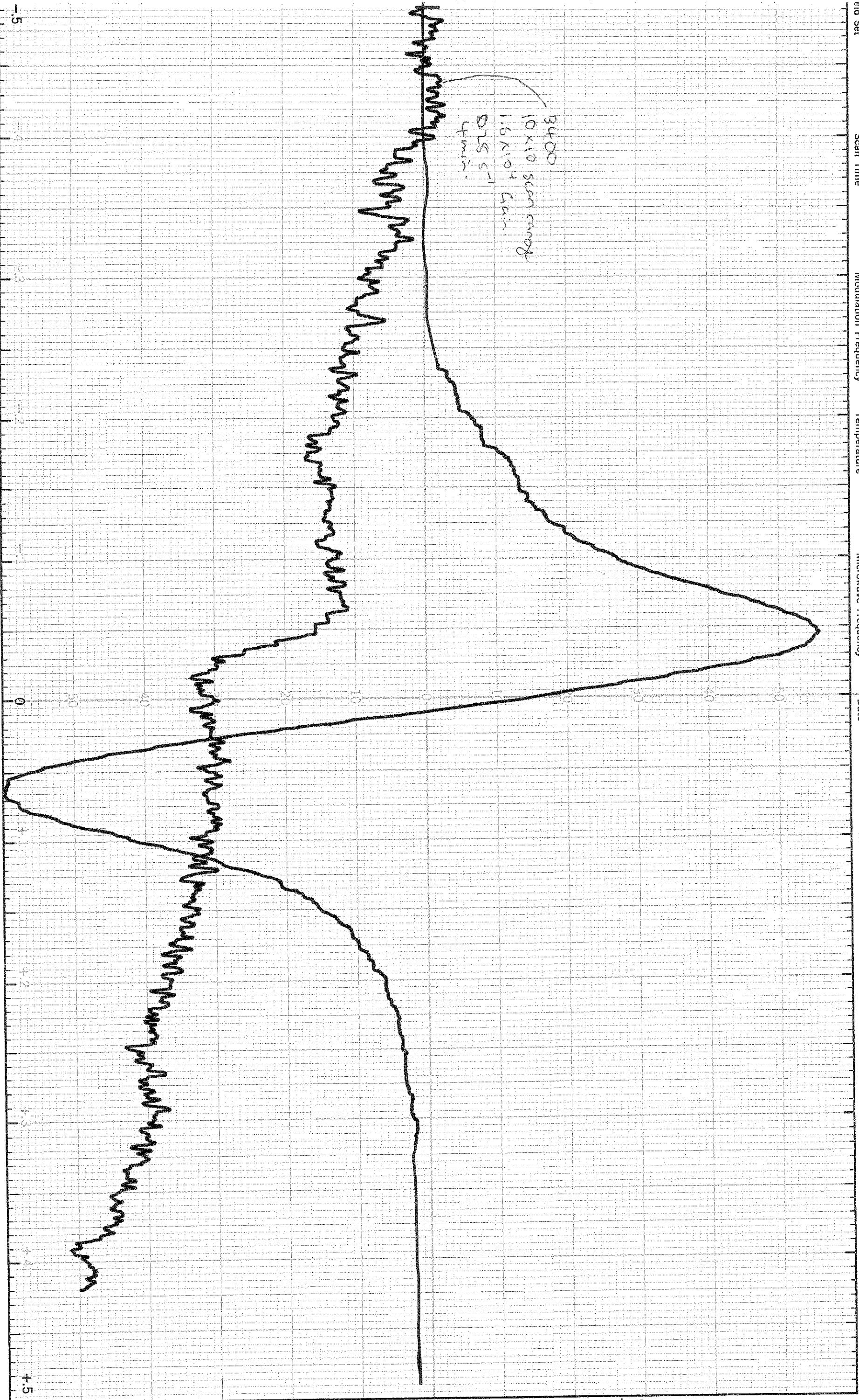
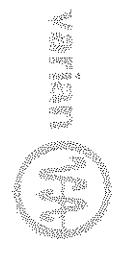


10 x 1K G 0.25 sec 25 x 1 G 5 x 10<sup>3</sup>  
Scan Range 5000 G Time Constant Modulation Amplitude Receiver Gain Microwave Power  
Mod Set 5000 G Scan Time hrs 4 min 100 Hz Hz Temperature °C Microwave Frequency GHz

Operator  
Date

Remarks

Carbonated Inulin



3400  
10x10 Scan range  
1.6K10<sup>4</sup> Gain  
0.25 sec  
4 min

Scan Range

Scan Range  $10 \times 14$  G

Time Constant  $0.25$  sec

Modulation Amplitude  $25 \times 1$  G

Receiver Gain  $5.0 \times 10^3$

Microwave Power  $1$  mW

Operator

Remarks Fructose Carbon.

Date

Field Set  $5000$  G

Scan Time hrs 2 min

Modulation Frequency 100 Hz

Temperature RT °C

Microwave Frequency GHz

Date

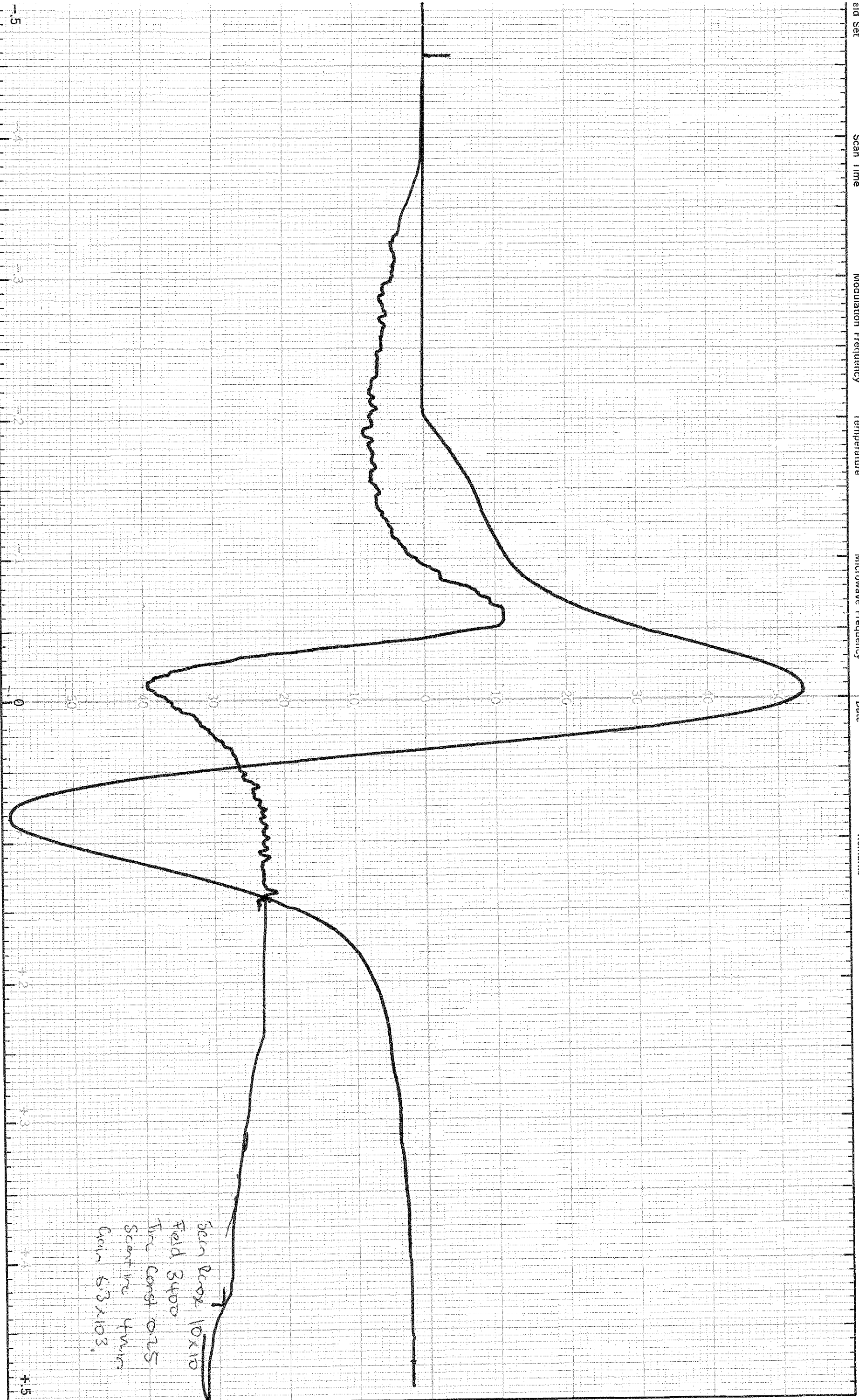
Remarks



EPR CHART A

Sample

Spectrum No.



Scan Range 10x10  
Field 3400  
Time Const 0.25  
Scan rate 4/min  
Gain 6.3x10<sup>3</sup>