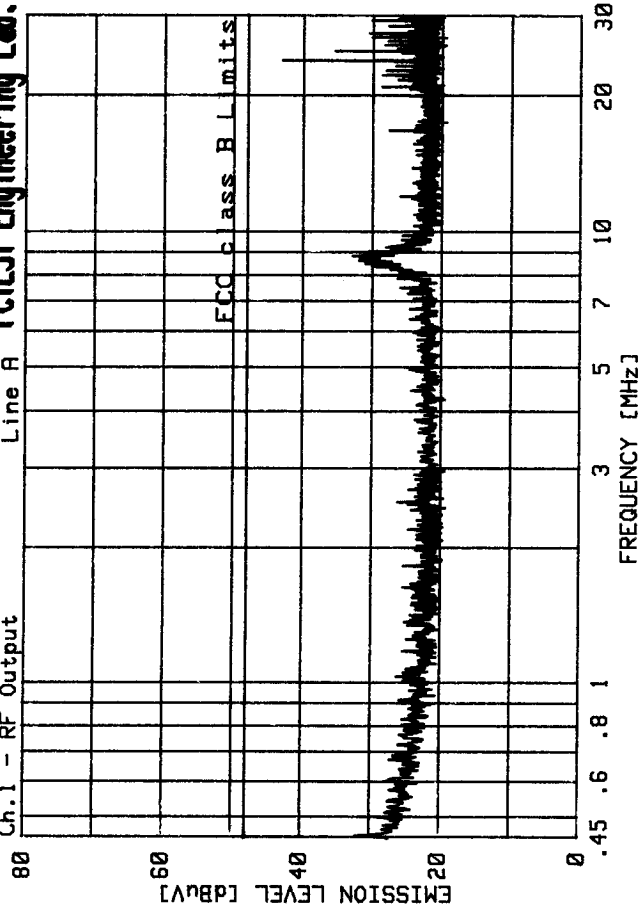


Hi-Tron Transmitter Model:CTX4412N
Ch.1 - RF Output Line A

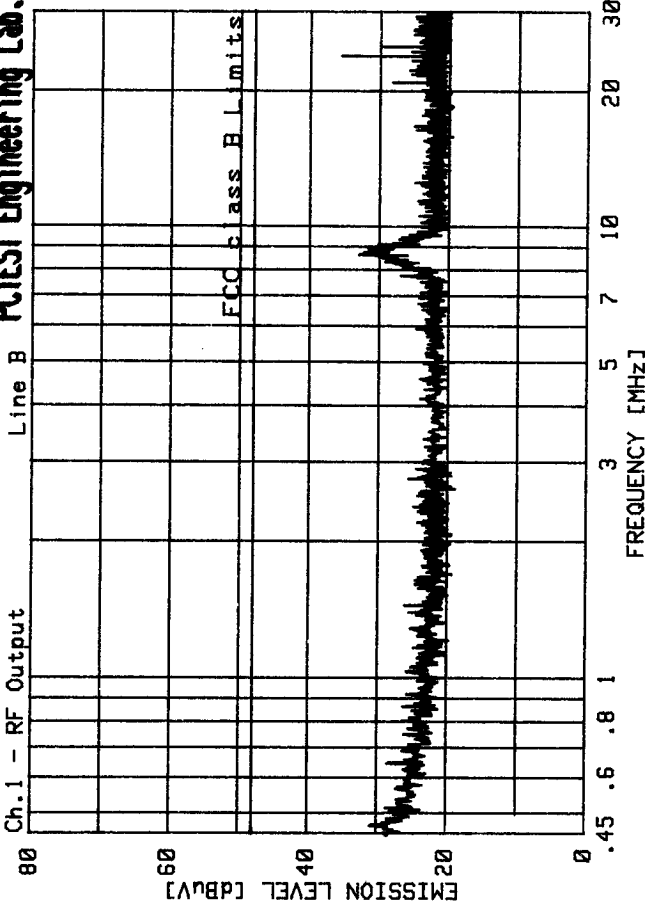
PCTEST Engineering Lab.



No.	Freq. [MHz]	Quasi-Pk [dBuV]	Average [dBuV]	QP-AV [dB]	Emission [dBuV]	Limit [dBuV]	Margin [dB]
1	24.006	42.80	-	-	42.80	48.00	-5.20
2	25.171	35.07	-	-	35.07	48.00	-12.93
3	8.817	28.02	-	-	28.02	48.00	-19.98
4	.450	26.41	-	-	26.41	48.00	-21.59
5	8.977	26.57	-	-	26.57	48.00	-21.43
6	8.583	26.38	-	-	26.38	48.00	-21.62
7	27.530	24.37	-	-	24.37	48.00	-23.63
8	27.006	25.24	-	-	25.24	48.00	-22.76
9	29.365	29.28	-	-	29.28	48.00	-18.72
10	8.394	28.92	-	-	28.92	48.00	-19.08

Hi-Tron Transmitter Model:CTX4412N
Ch.1 - RF Output Line B

PCTEST Engineering Lab.

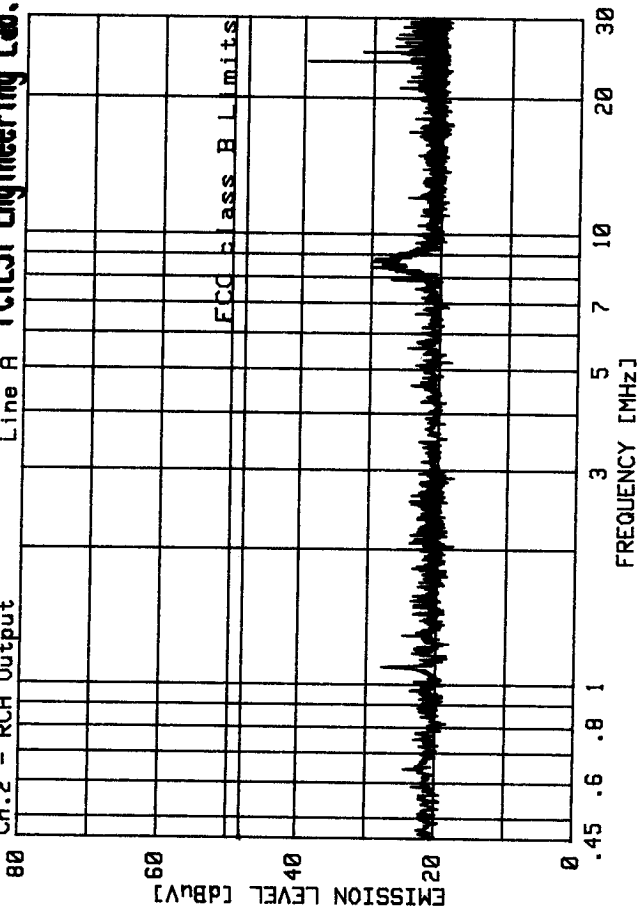


No.	Freq. [MHz]	Quasi-Pk [dBuV]	Average [dBuV]	QP-AV [dB]	Emission [dBuV]	Limit [dBuV]	Margin [dB]
1	24.006	35.24	-	-	35.24	48.00	-12.76
2	8.737	28.01	-	-	28.01	48.00	-19.99
3	.450	26.51	-	-	26.51	48.00	-21.49
4	25.171	29.77	-	-	29.77	48.00	-18.23
5	8.394	28.39	-	-	28.39	48.00	-19.61
6	.488	26.53	-	-	26.53	48.00	-21.47
7	.619	24.21	-	-	24.21	48.00	-23.79
8	20.976	29.62	-	-	29.62	48.00	-18.38
9	.562	24.78	-	-	24.78	48.00	-23.22
10	9.324	22.76	-	-	22.76	48.00	-25.24

Hi-Tron Transmitter Model:CTX4412N
Ch.2 - RCA Output

Line A

PCTEST Engineering Lab.

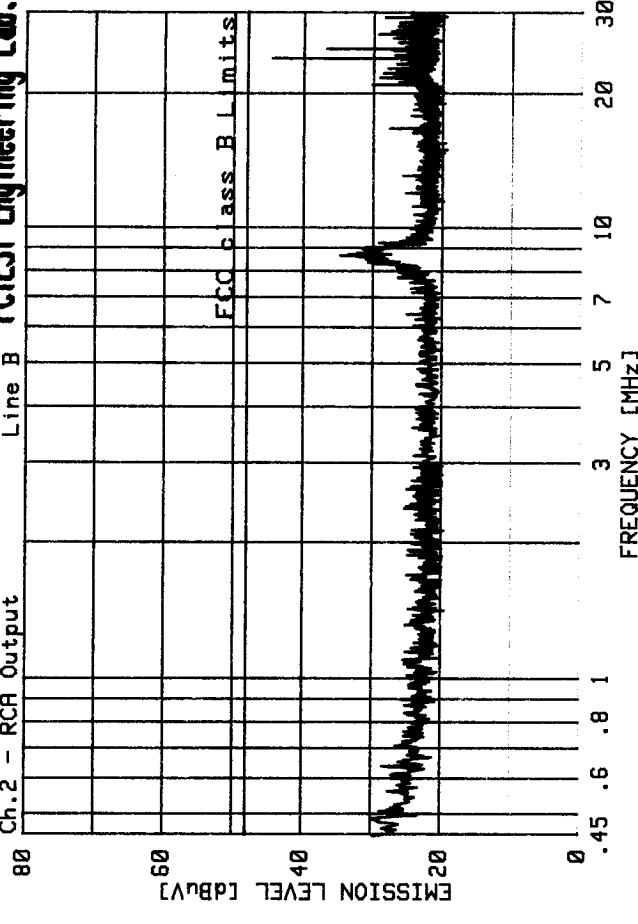


No.	Freq. [MHz]	Quasi-Pk [dBuV]	Average [dBuV]	QP-AV Emission [dB]	Limit [dBuV]	Margin [dB]
1	24.006	39.56	-	-	48.00	-8.44
2	25.171	32.16	-	-	48.00	-15.84
3	8.394	30.76	-	-	48.00	-17.24
4	8.668	25.28	-	-	48.00	-22.72
5	8.754	24.62	-	-	48.00	-23.38
6	1.095	27.31	-	-	48.00	-20.69
7	7.857	24.08	-	-	48.00	-23.92
8	25.958	22.47	-	-	48.00	-25.53
9	27.006	23.88	-	-	48.00	-24.12
10	27.530	23.04	-	-	48.00	-24.96

Hi-Tron Transmitter Model:CTX4412N
Ch.2 - RCA Output

Line B

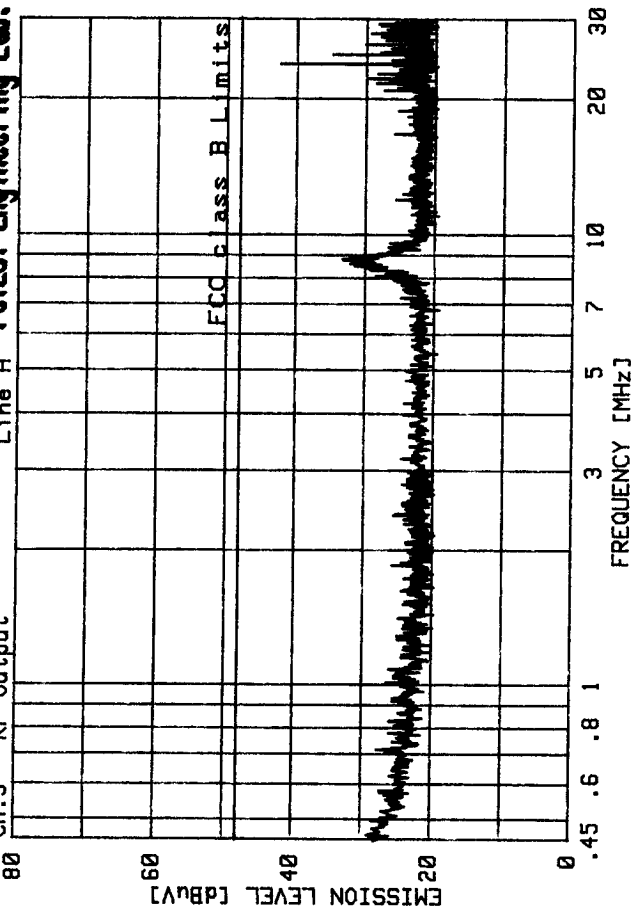
PCTEST Engineering Lab.



No.	Freq. [MHz]	Quasi-Pk [dBuV]	Average [dBuV]	QP-AV Emission [dB]	Limit [dBuV]	Margin [dB]
1	24.006	44.13	-	-	48.00	-3.87
2	25.171	36.29	-	-	48.00	-11.71
3	8.771	29.03	-	-	48.00	-18.97
4	8.754	29.26	-	-	48.00	-18.74
5	8.930	27.30	-	-	48.00	-20.70
6	9.044	25.93	-	-	48.00	-22.07
7	8.394	29.11	-	-	48.00	-18.89
8	20.976	29.97	-	-	48.00	-18.03
9	.459	26.82	-	-	48.00	-21.18
10	.451	25.80	-	-	48.00	-22.20

Hi-Tron Transmitter Model:CTX4412N
Ch.3 - RF Output
Line A

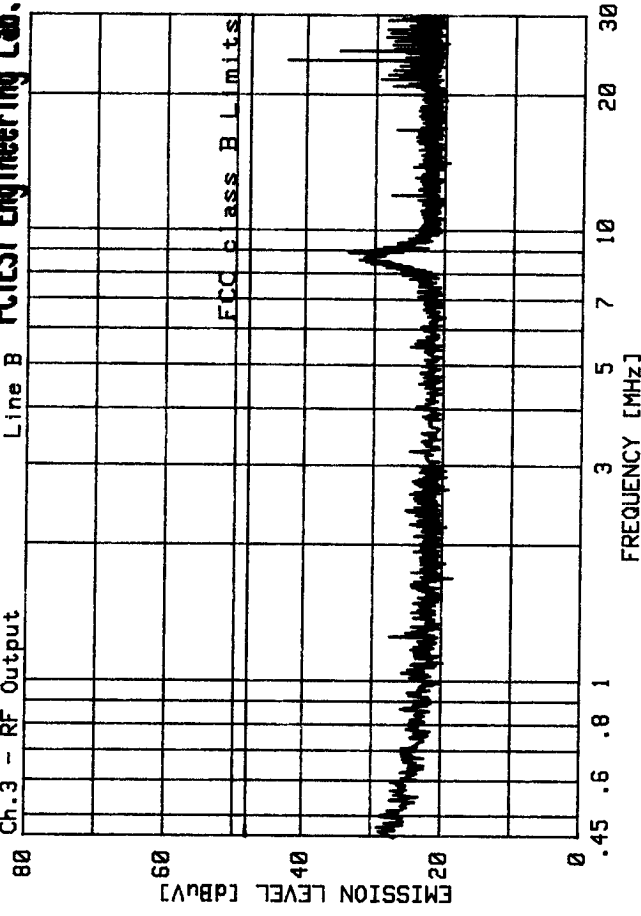
PCTEST Engineering Lab.



No.	Freq. [MHz]	Quasi-Pk [dBuV]	Average [dBuV]	QP-AV [dB]	Emission [dBuV]	Limit [dBuV]	Margin [dB]
1	24.006	42.45	-	-	42.45	48.00	-5.55
2	25.171	34.32	-	-	34.32	48.00	-13.68
3	8.780	27.90	-	-	27.90	48.00	-20.10
4	8.723	28.08	-	-	28.08	48.00	-19.92
5	26.479	23.55	-	-	23.55	48.00	-24.45
6	22.287	23.77	-	-	23.77	48.00	-24.23
7	28.052	23.72	-	-	23.72	48.00	-24.28
8	.451	26.04	-	-	26.04	48.00	-21.96
9	21.762	23.97	-	-	23.97	48.00	-24.03
10	8.132	23.19	-	-	23.19	48.00	-24.81

Hi-Tron Transmitter Model:CTX4412N
Ch.3 - RF Output
Line B

PCTEST Engineering Lab.

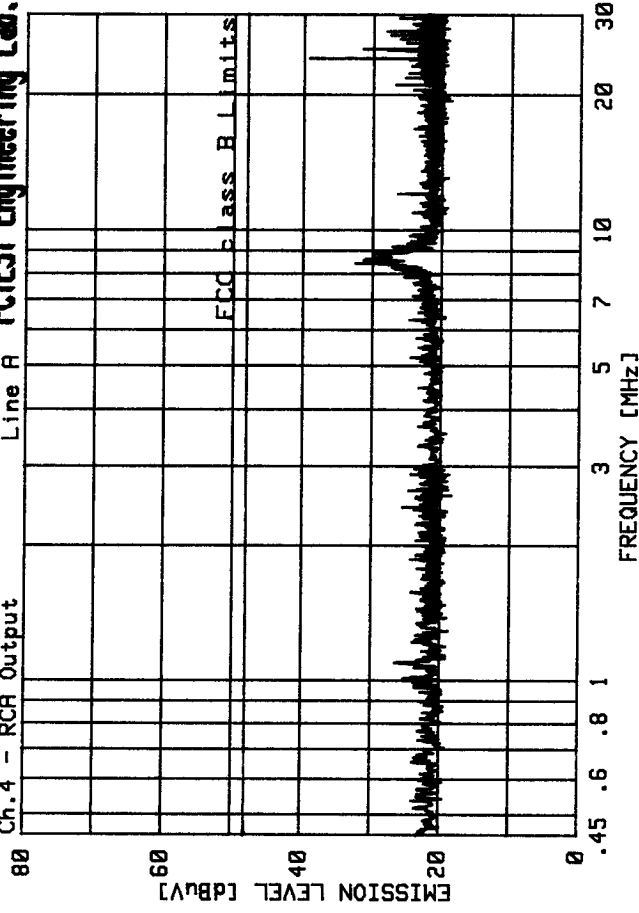


No.	Freq. [MHz]	Quasi-Pk [dBuV]	Average [dBuV]	QP-AV [dB]	Emission [dBuV]	Limit [dBuV]	Margin [dB]
1	24.006	42.55	-	-	42.55	48.00	-5.45
2	25.171	34.33	-	-	34.33	48.00	-13.67
3	8.880	27.03	-	-	27.03	48.00	-20.97
4	8.913	26.90	-	-	26.90	48.00	-21.10
5	21.752	23.66	-	-	23.66	48.00	-24.34
6	.458	25.99	-	-	25.99	48.00	-22.01
7	9.151	24.12	-	-	24.12	48.00	-23.88
8	.472	26.56	-	-	26.56	48.00	-21.44
9	27.006	24.86	-	-	24.86	48.00	-23.14
10	28.051	23.81	-	-	23.81	48.00	-24.19

Hi-Tron Transmitter Model:CTX4412N
Ch.4 - RCA Output

Line A

PCTEST Engineering Lab.

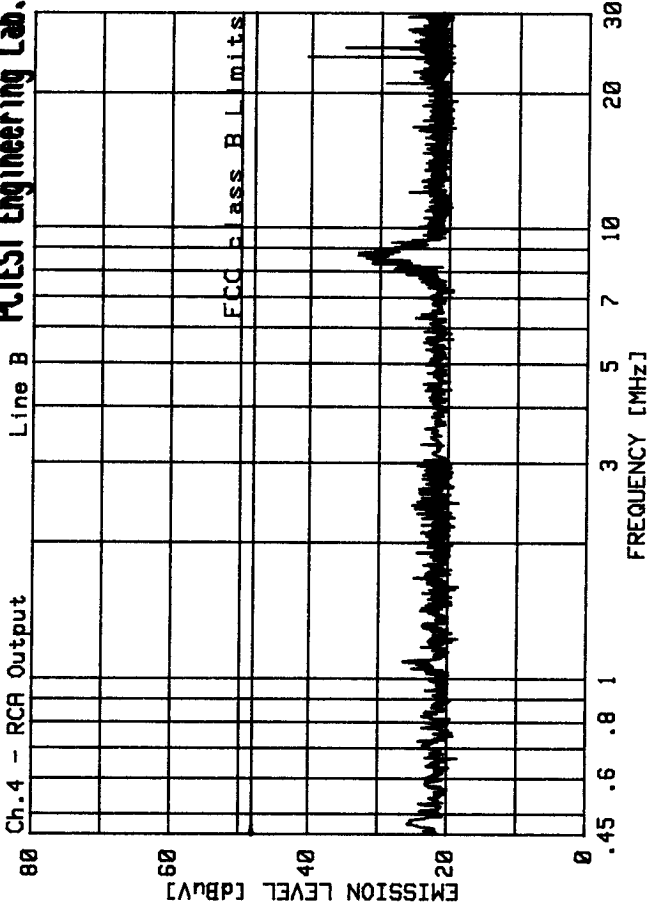


No.	Freq. [MHz]	Quasi-Pk [dBuV]	Average [dBuV]	QP-AV Emission [dB]	Limit [dBuV]	Margin [dB]
1	24.006	39.37	-	-	48.00	-8.63
2	8.394	31.09	-	-	48.00	-16.91
3	25.171	32.20	-	-	48.00	-15.80
4	27.532	22.97	-	-	48.00	-25.03
5	25.006	27.69	-	-	48.00	-20.31
6	27.006	23.83	-	-	48.00	-24.17
7	9.134	23.23	-	-	48.00	-24.77
8	8.148	23.35	-	-	48.00	-24.65
9	20.977	27.29	-	-	48.00	-20.71
10	1.092	25.87	-	-	48.00	-22.13

Hi-Tron Transmitter Model:CTX4412N
Ch.4 - RCA Output

Line B

PCTEST Engineering Lab.



No.	Freq. [MHz]	Quasi-Pk [dBuV]	Average [dBuV]	QP-AV Emission [dB]	Limit [dBuV]	Margin [dB]
1	24.006	40.90	-	-	48.00	-7.10
2	25.171	34.15	-	-	48.00	-13.85
3	8.593	28.73	-	-	48.00	-19.27
4	8.520	28.95	-	-	48.00	-19.05
5	20.977	28.70	-	-	48.00	-19.30
6	8.000	23.55	-	-	48.00	-24.45
7	25.006	27.51	-	-	48.00	-20.49
8	1.092	26.00	-	-	48.00	-22.00
9	8.009	23.54	-	-	48.00	-24.46
10	29.365	26.08	-	-	48.00	-21.92

MODEL-CTX4412N (C)

REF -55.0 dBm

ATTEN 10 dB

MKR 2.433 72 GHz

-54.25 dBm

h₀

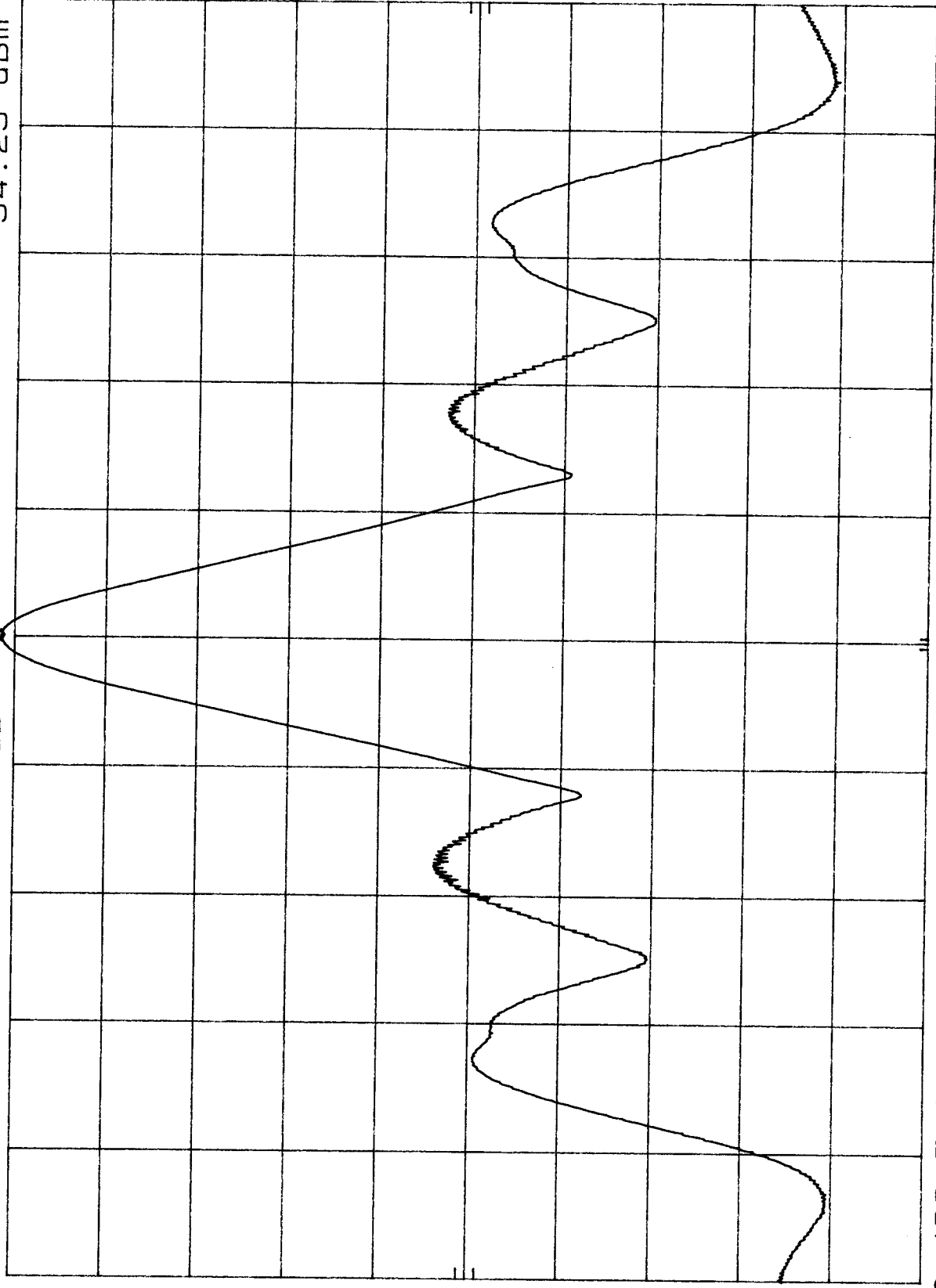
5 dB/

POS PK

OFFSET

-30.0

dB



CENTER 2.433 7 GHz

RES BW 1 MHz

VBW 10 Hz

SPAN 20.0 MHz

SWP 6.00 sec

MODEL-CTX4412N C2

h_p REF -55.0 dBm ATTEN 10 dB MKR 2.452 68 GHz -55.15 dBm

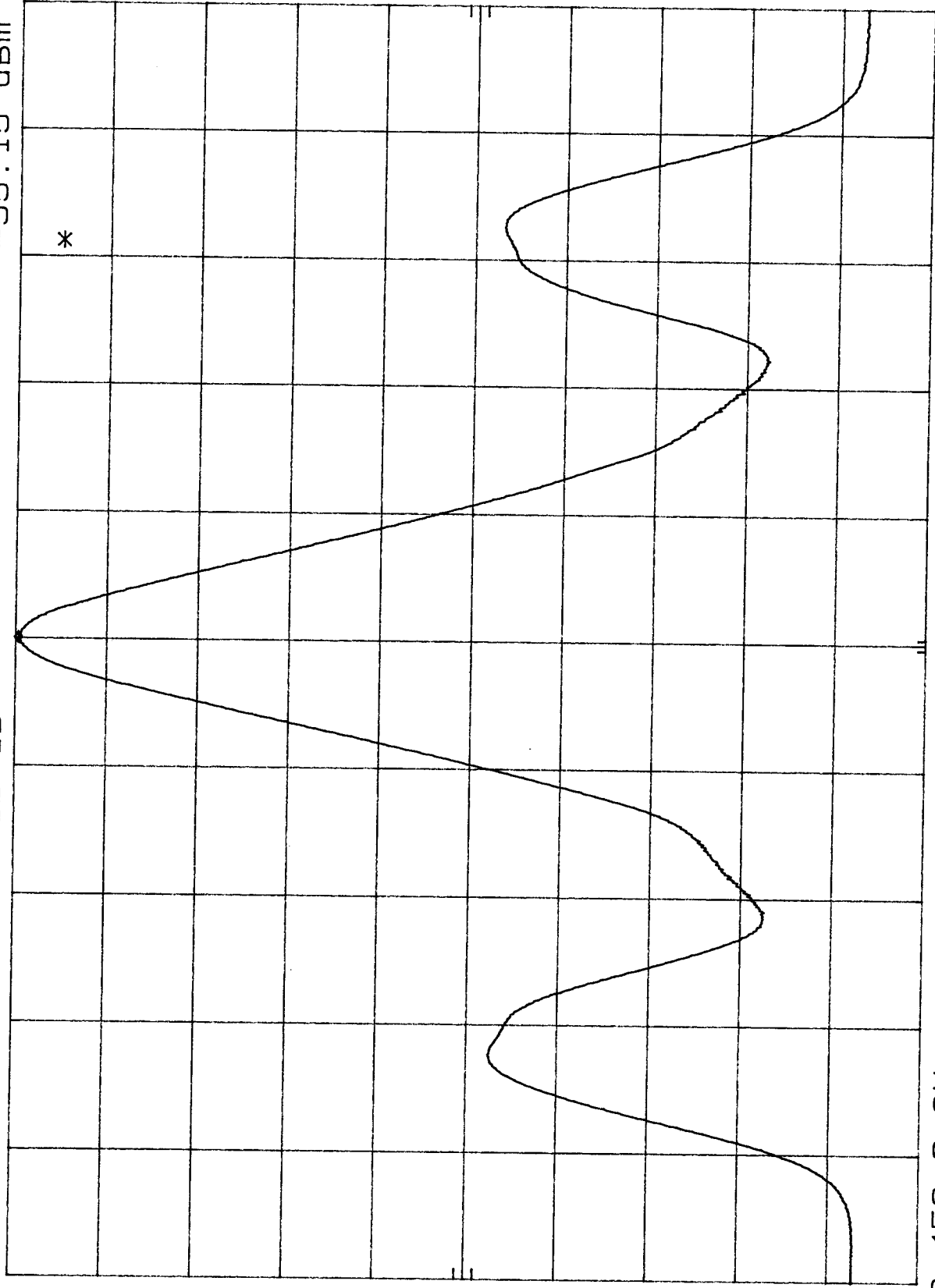
5 dB/

POS PK

OFFSET

-30.0

dB



CENTER 2.452 6 GHz

RES BW 1 MHz

VBW 10 Hz

SPAN 20.0 MHz

SWP 6.00 sec

MODEL-CTX4412N C3

REF -55.0 dBm

ATTEN 10 dB

MKR 2.472 70 GHz

-56.35 dBm

h₀

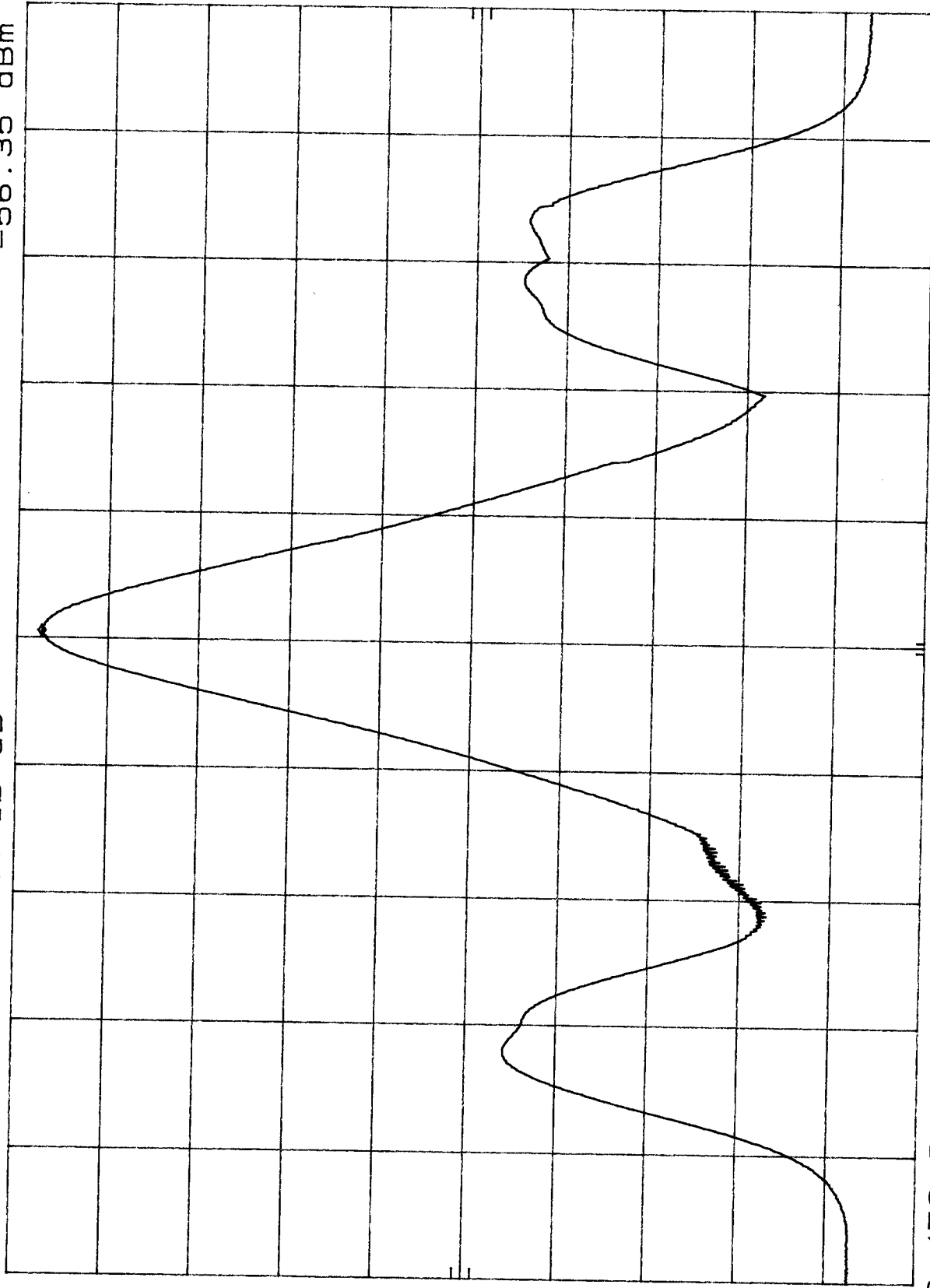
5 dB/

POS PK

OFFSET

-30.0

dB



CENTER 2.472 6 GHz

RES BW 1 MHz

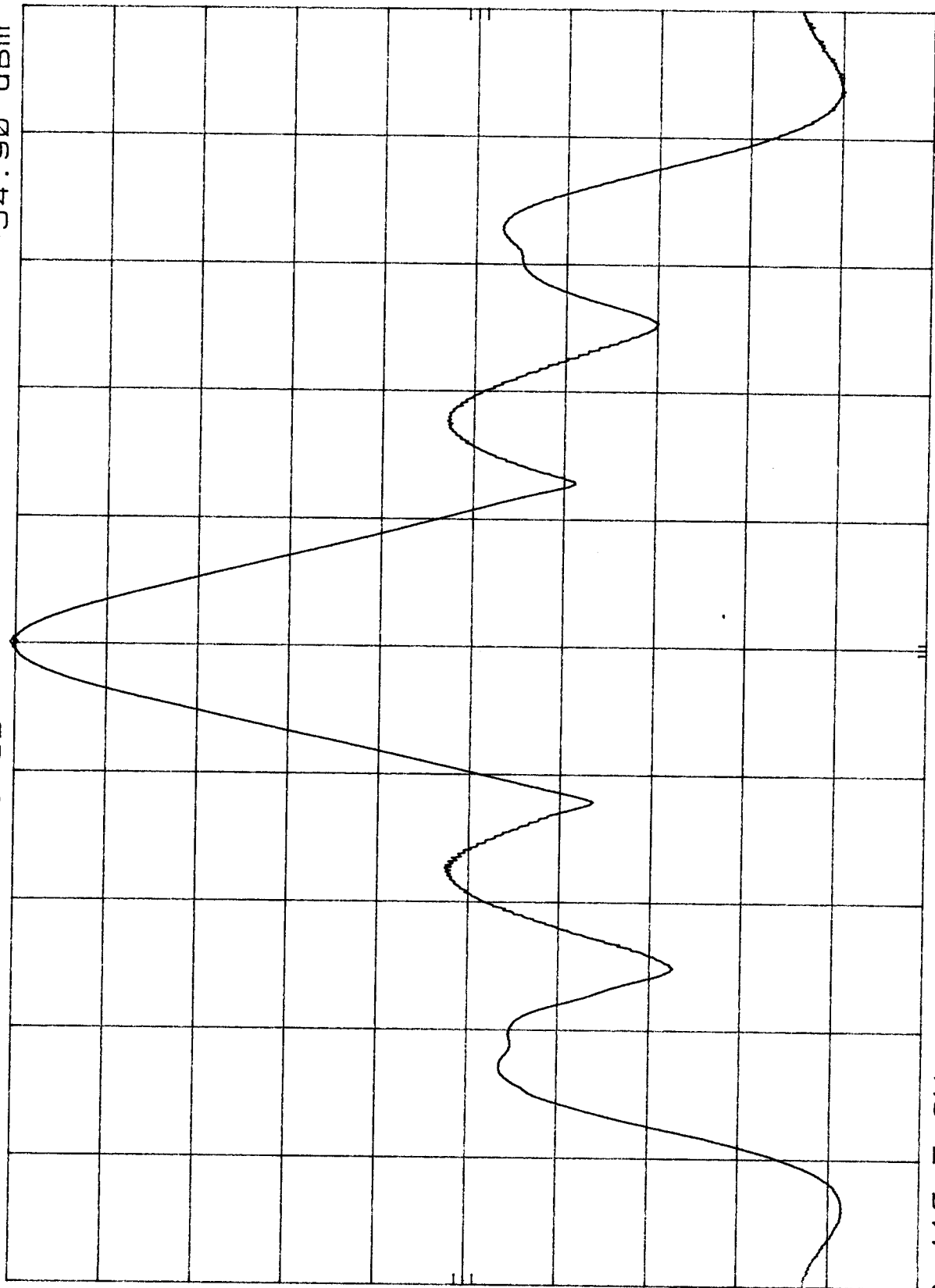
VBW 10 Hz

SPAN 20.0 MHz

SWP 6.00 sec

MODEL-CTX4412N C4
REF -55.0 dBm
ATTEN 10 dB
MKR 2.410 74 GHz
-54.90 dBm

h_p
5 dB/
POS PK
OFFSET
-30.0
dB



CENTER 2.410 7 GHz
RES BW 1 MHz
SPAN 20.0 MHz
SWP 6.00 sec
VBW 10 Hz

MODEL-CTX4412N C3

REF -50.0 dBm

ATTEN 10 dB

h₀

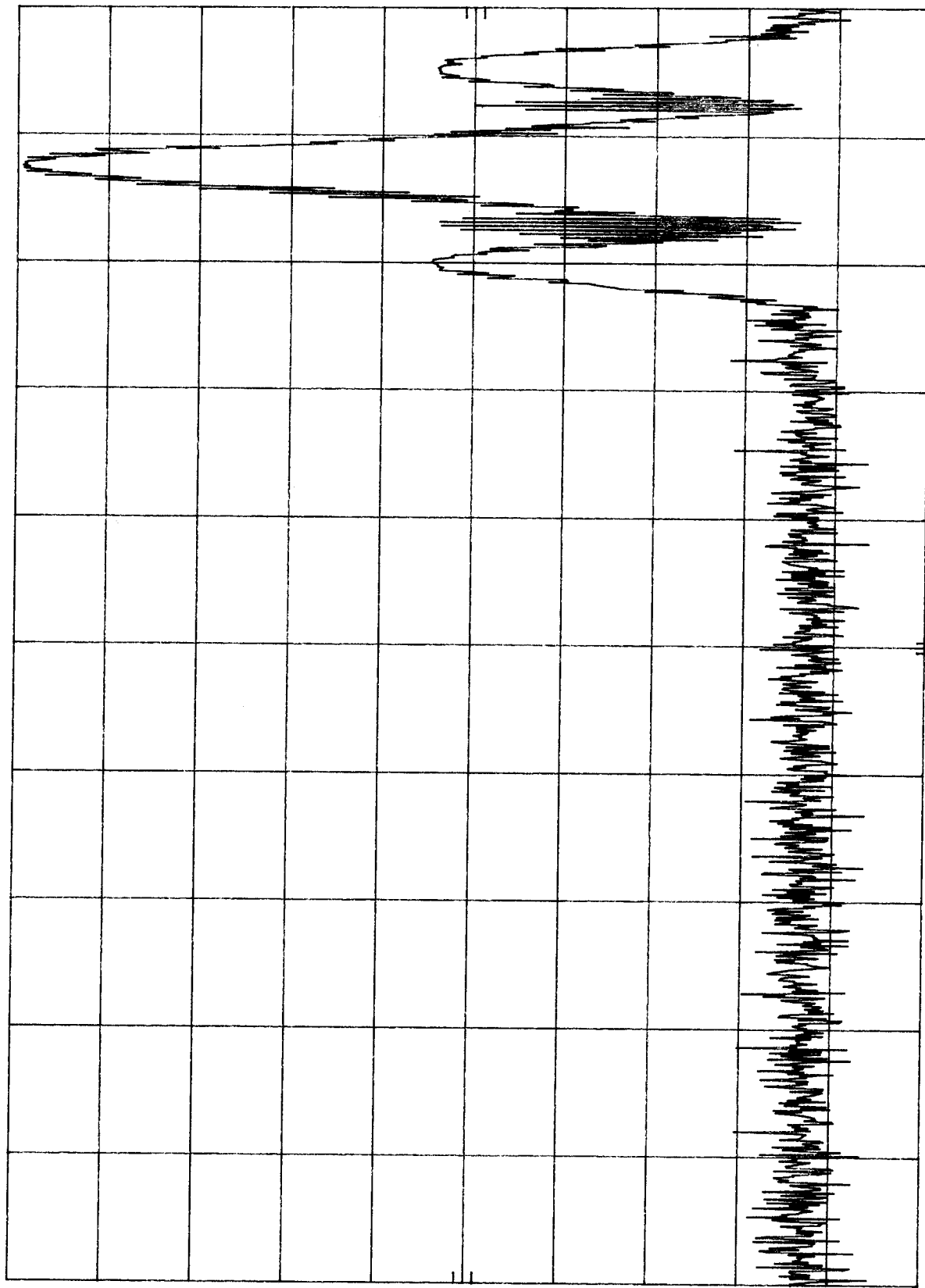
5 dB/

POS PK

OFFSET

-30.0

dB



START 2.400 0 GHZ

RES BW 1 MHZ

VBW 1 MHZ

STOP 2.483 5 GHZ

SWP 20.0 msec

MODEL-CTX4412N C4

REF -50.0 dBm ATTN 10 dB

HP

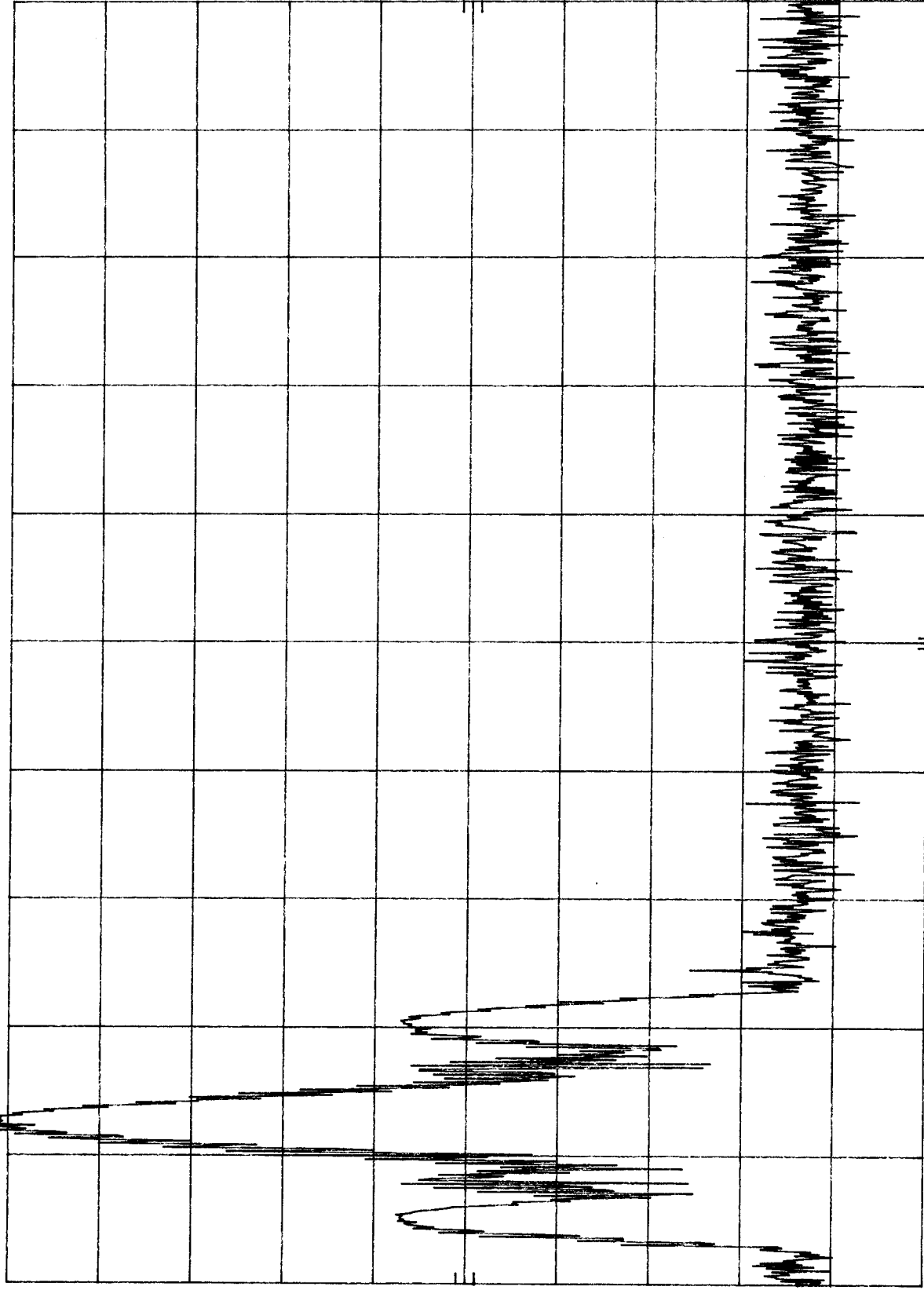
5 dB/

POS PK

OFFSET

-30.0

dB



START 2.400 0 GHz RES BW 1 MHz STOP 2.483 5 GHz SWP 20.0 msec

VBW 1 MHz