



Frequency Hopping Spread Spectrum Transmitter

Certification Test Report

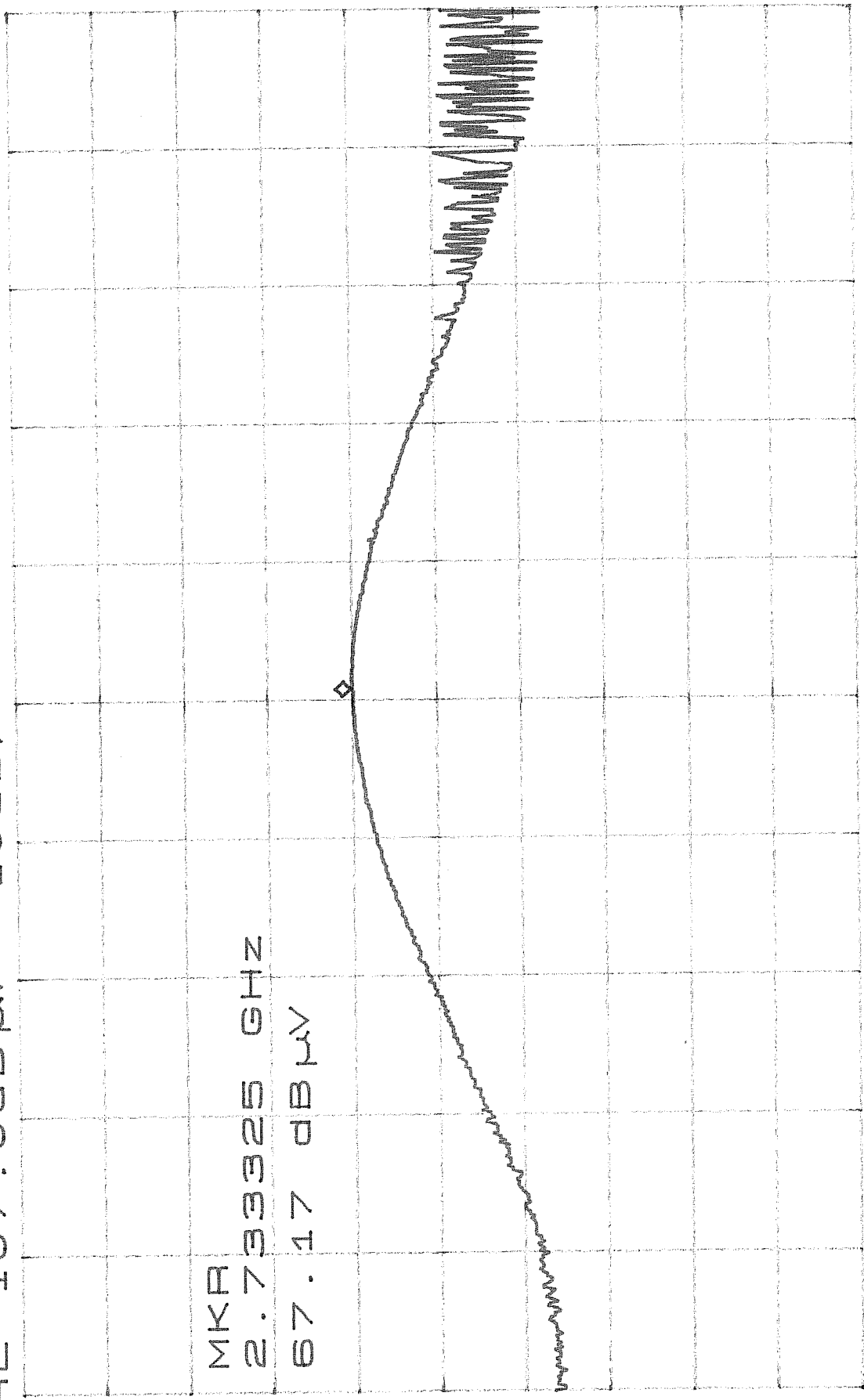
**Model: R900-V3
FCC ID: P2SNTGSRFV3**

ACS Report Number: 04-0044-15C

Radiated Spurious Emission Plots – Wall Unit

Low Channel

ATTEN 10dB MKR 67.17dBμV
RL 107.00dBμV 10dB/ 2.733325GHz



CENTER 2.733283GHz SPAN 5.000MHz
*RBW 1.0MHz *VBW 1.0MHz SWP 50.0ms

ATTEN 10dB

RL 107.0dBμV

MKR 58.50dBμV

2.733300GHz

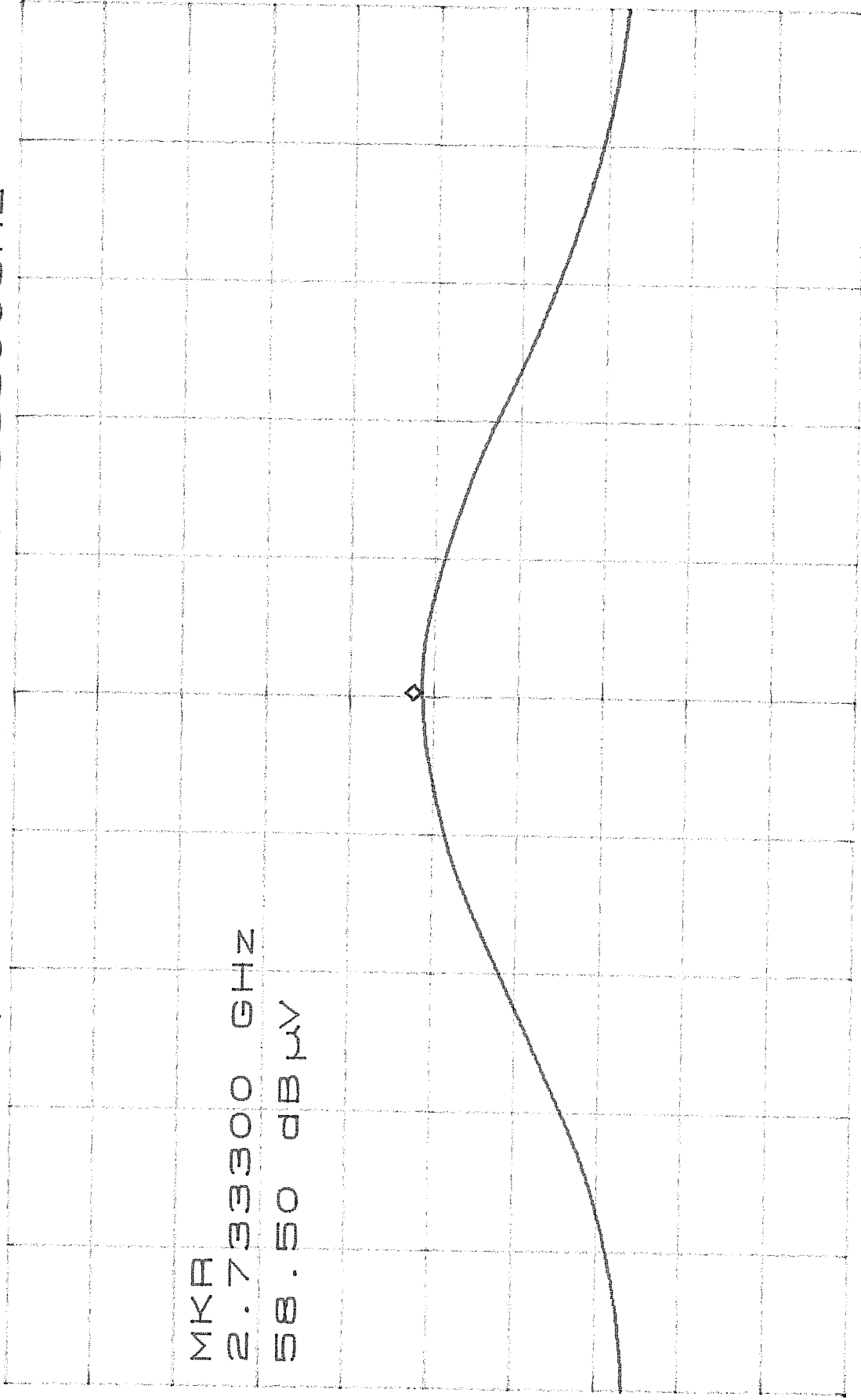
10dB/

MKR

2.733300 GHz

58.50 dBμV

D



CENTER 2.733283GHz

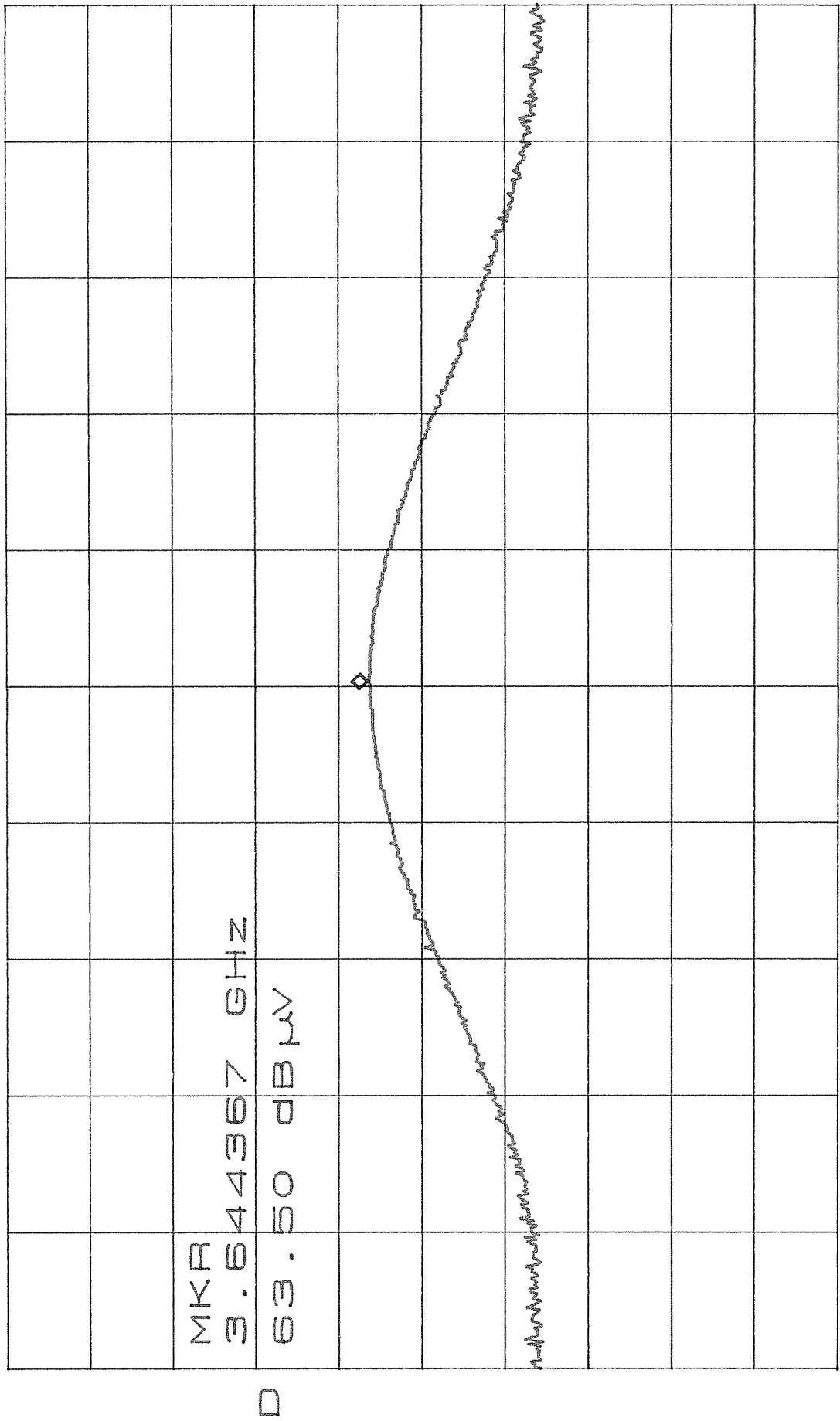
*RBW 1.0MHz

*VBW 10Hz

SPAN 5.000MHz

SWP 5.000sec

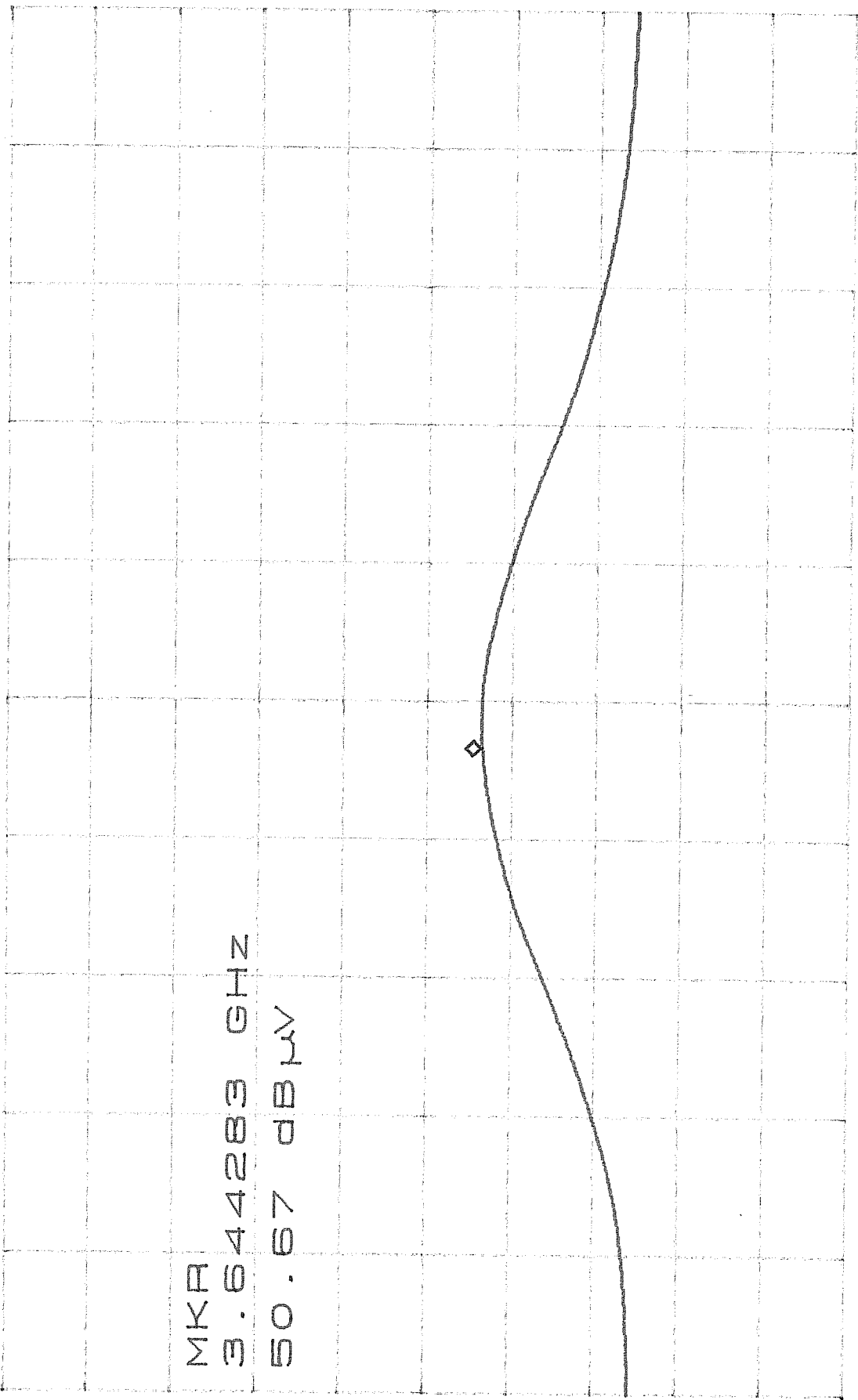
ATTEN 10dB MKR 63.50dBμV
RL 107.00μV 10dB/ 3.644367GHz



CENTER 3.644350GHz SPAN 5.000MHz
*RBW 1.0MHz *VBW 1.0MHz SWP 50.0ms

ATTEN 10dB MKR 50.67dBμV
RL 107.0dBμV 10dB/ 3.644283GHz

MKR
3.644283 GHz
50.67 dBμV



CENTER 3.644450GHz SPAN 5.000MHz
*RBW 1.0MHz *VBW 10Hz SWP 5.00sec

ATTEN 10dB

MKR 60.17dB μ V

RL 107.0dB μ V 10dB/

4.555517GHz

MKR

4.555517 GHz

60.17 dB μ V

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CENTER 4.555467GHz

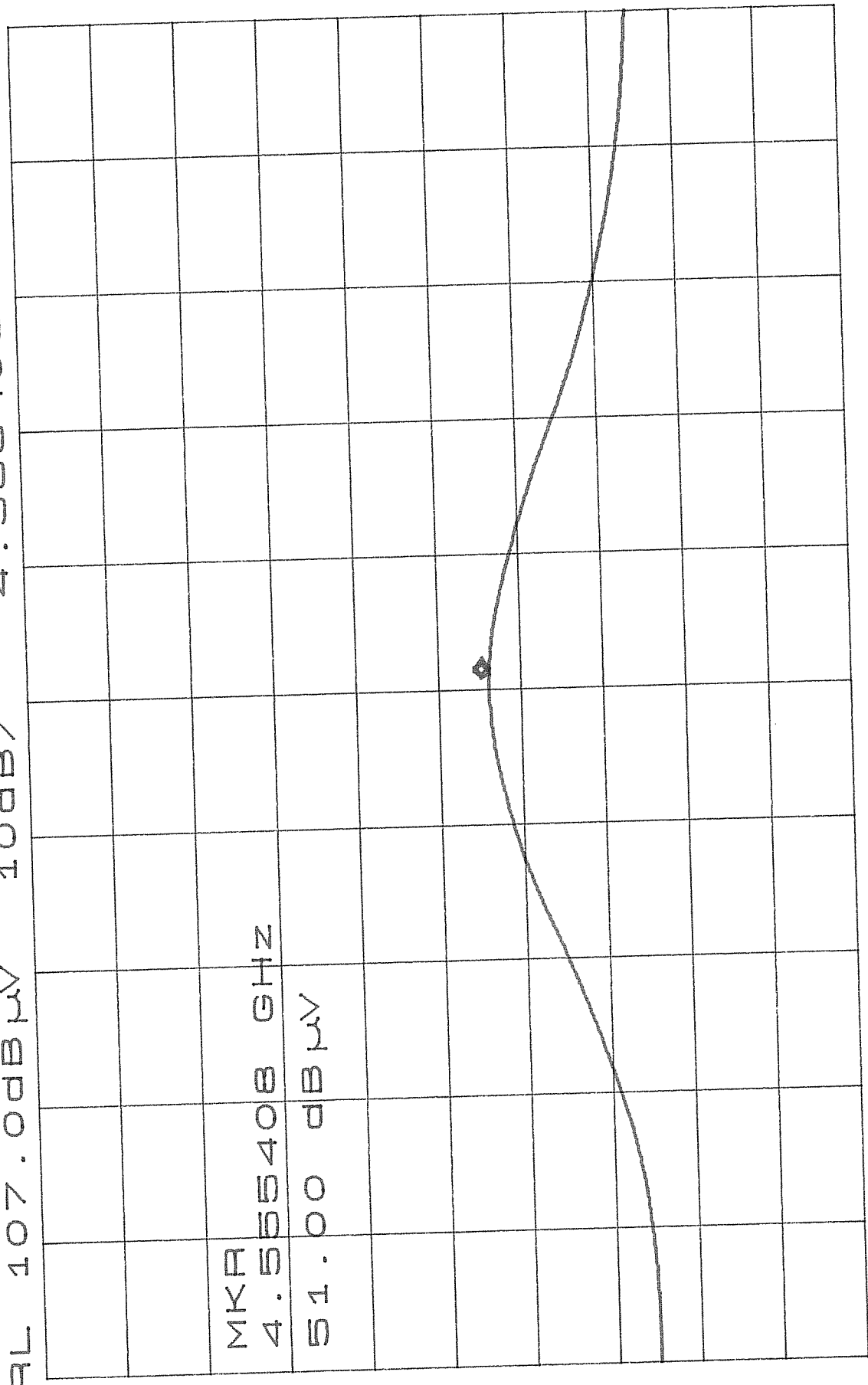
SPAN 5.000MHz

*RBW 1.0MHz

*VBW 1.0MHz

SWP 50.0ms

ATTEEN 10dB
RL 107.00dBμV
MKR 51.00dBμV
4.555408GHz



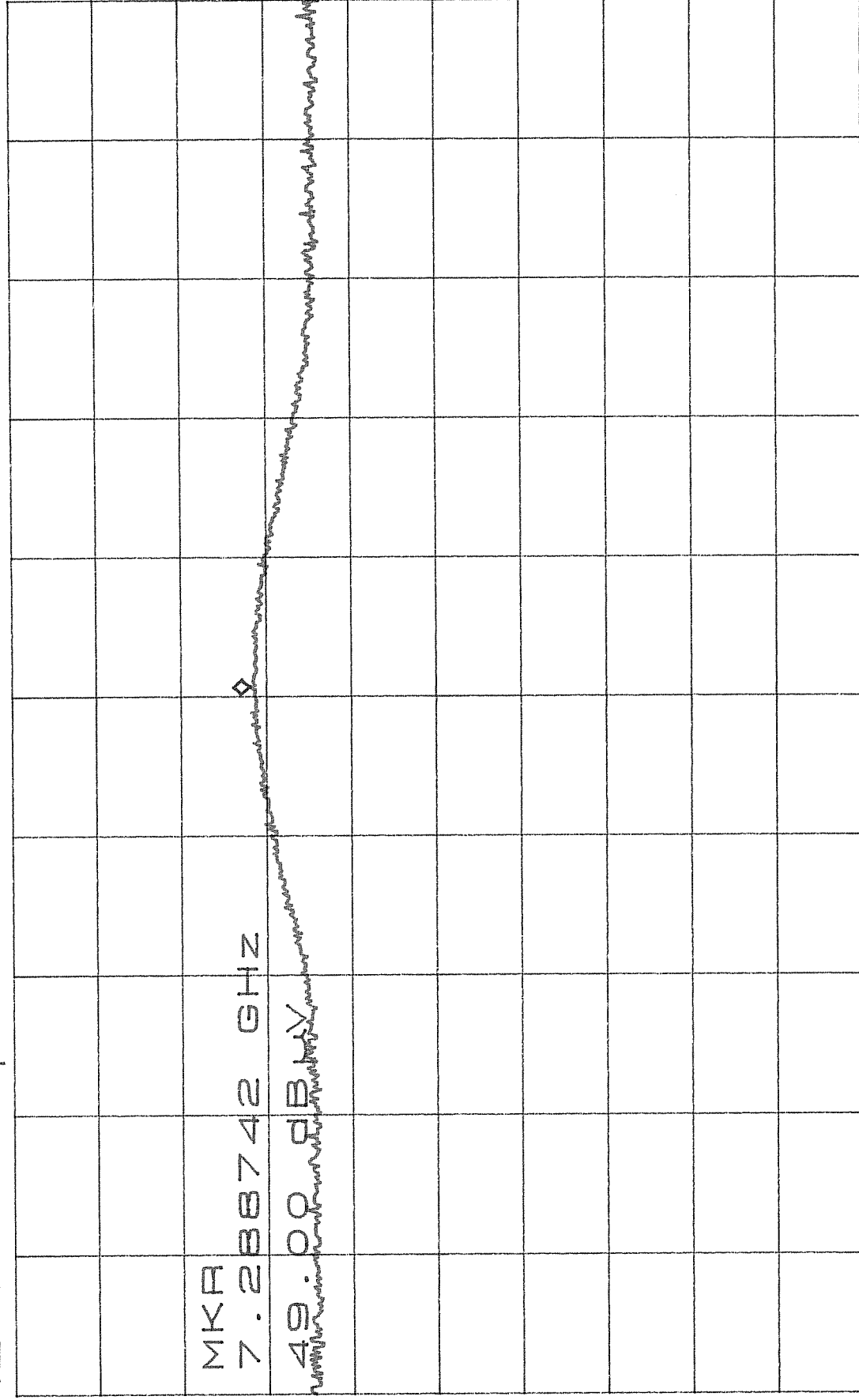
CENTER 4.555467GHz
*RBW 1.0MHz *VBW 10Hz
SPAN 5.000MHz
SWP 5.00sec

ATTEN 10dB

RL 77.0dBμV

MKR 49.00dBμV

10dB/ 7.288742GHz



D

CENTER 7.288708GHz

*RBW 1.0MHz

*VBW 1.0MHz

SPAN 5.000MHz

SWP 50.0ms

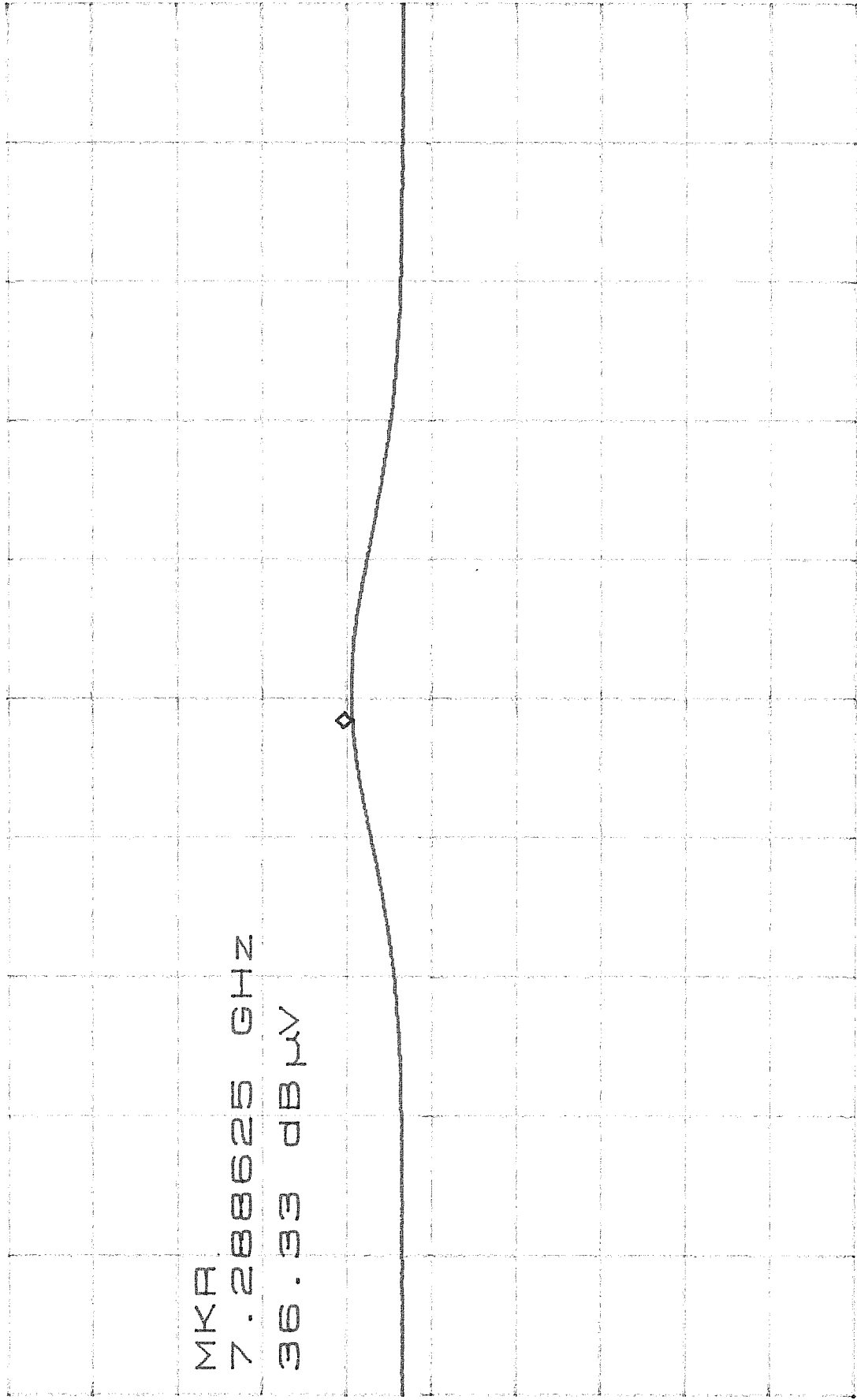
ATTEN 10dB
RL 77.0dBμV

MKR 36.33dBμV
7.288625GHz

10dB/

MKR
7.288625 GHz
36.33 dBμV

D



CENTER 7.288700GHz
*RBW 1.0MHz *VBW 10Hz

SPAN 5.000MHz
SWP 5.000sec

ATTEN 10dB

MKR 49.00dBμV

RL 77.0dBμV

10dB/

8.199692GHz

MKR

8.199692 GHz

D

49.00 dB

8

CENTER 8.200000GHz

SPAN 5.000MHz

*RBW 1.0MHz

*VBW 1.0MHz

SWP 50.0ms

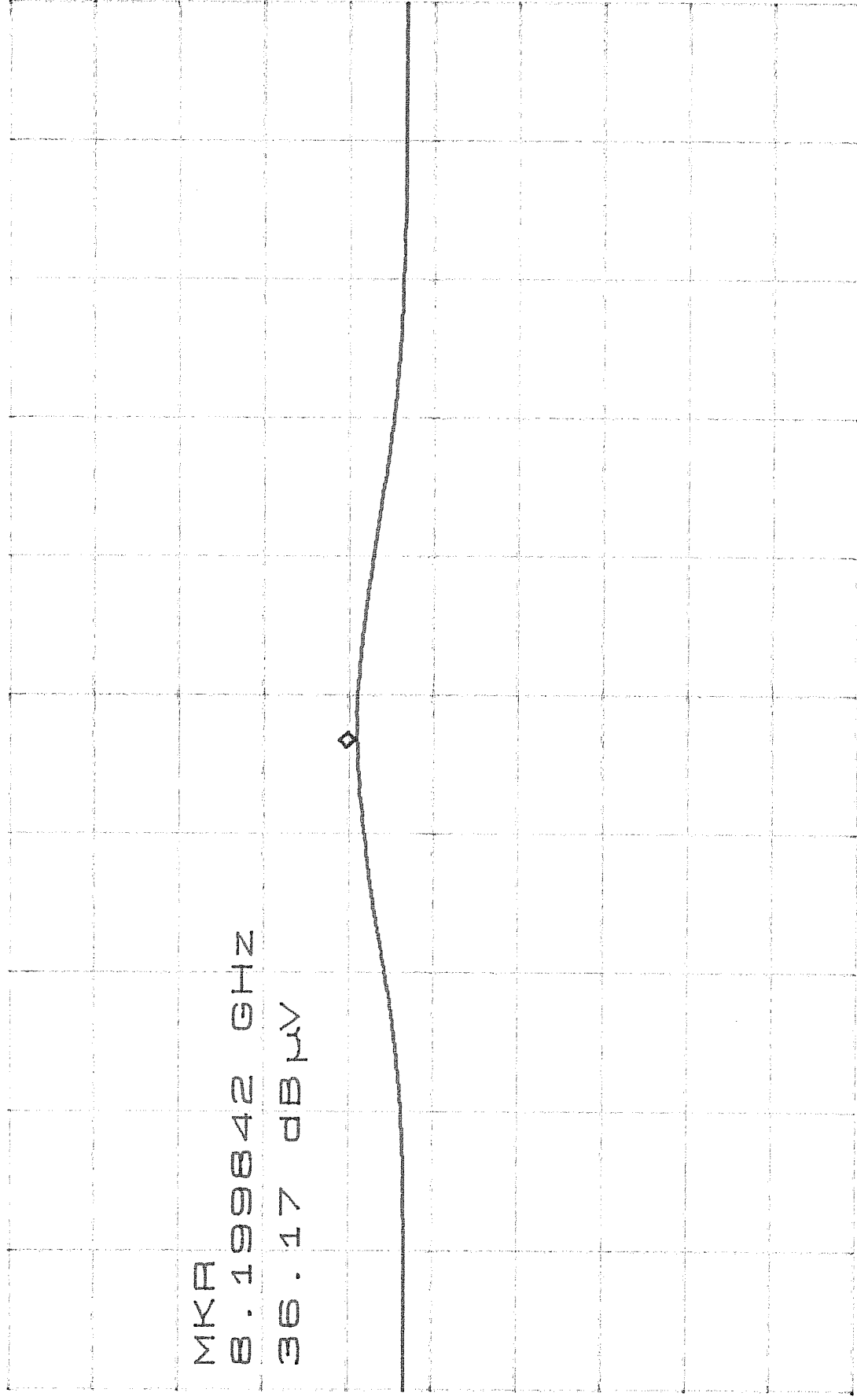
ATTEN 10dB
RL 77.0dBμV

MKA 36.17dBμV
8.199842GHz

10dB/

MKA
8.199842 GHz
36.17 dBμV

D



CENTER 8.200000GHz

SPAN 5.000MHz

*RBW 1.0MHz

*VBW 10Hz

SWP 5.00sec

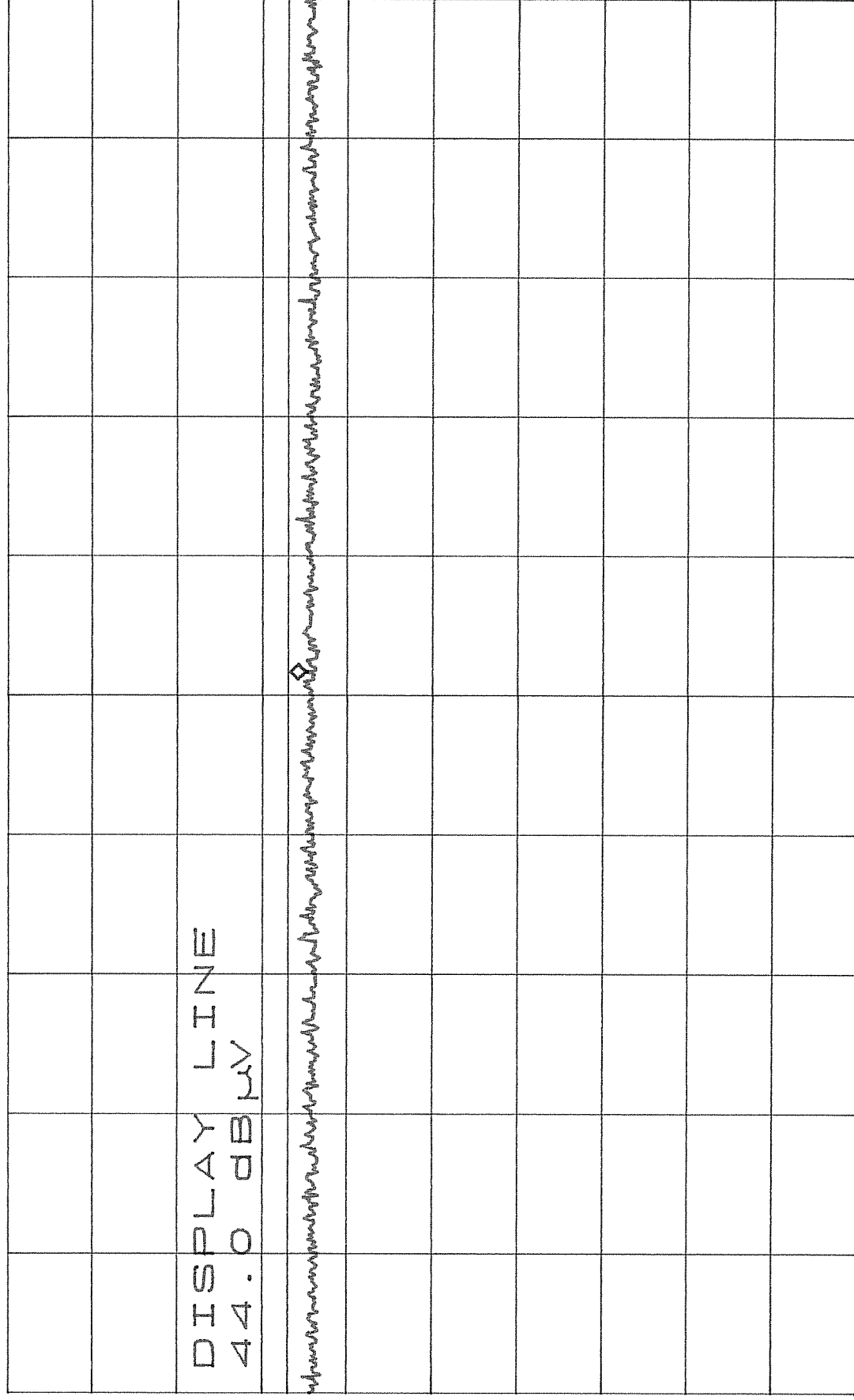
ATTEN 10dB

MKR 41.83dB μ V

RL 77.0dB μ V

10dB/

9.154GHz



D

START 8.250GHz

STOP 10.000GHz

*RBW 1.0MHz

*VBW 1.0MHz

SWP 50.0ms



Middle Channel

ATTEN 10dB

MKR 61.23dB μ V

PL 106.9dB μ V

10dB/

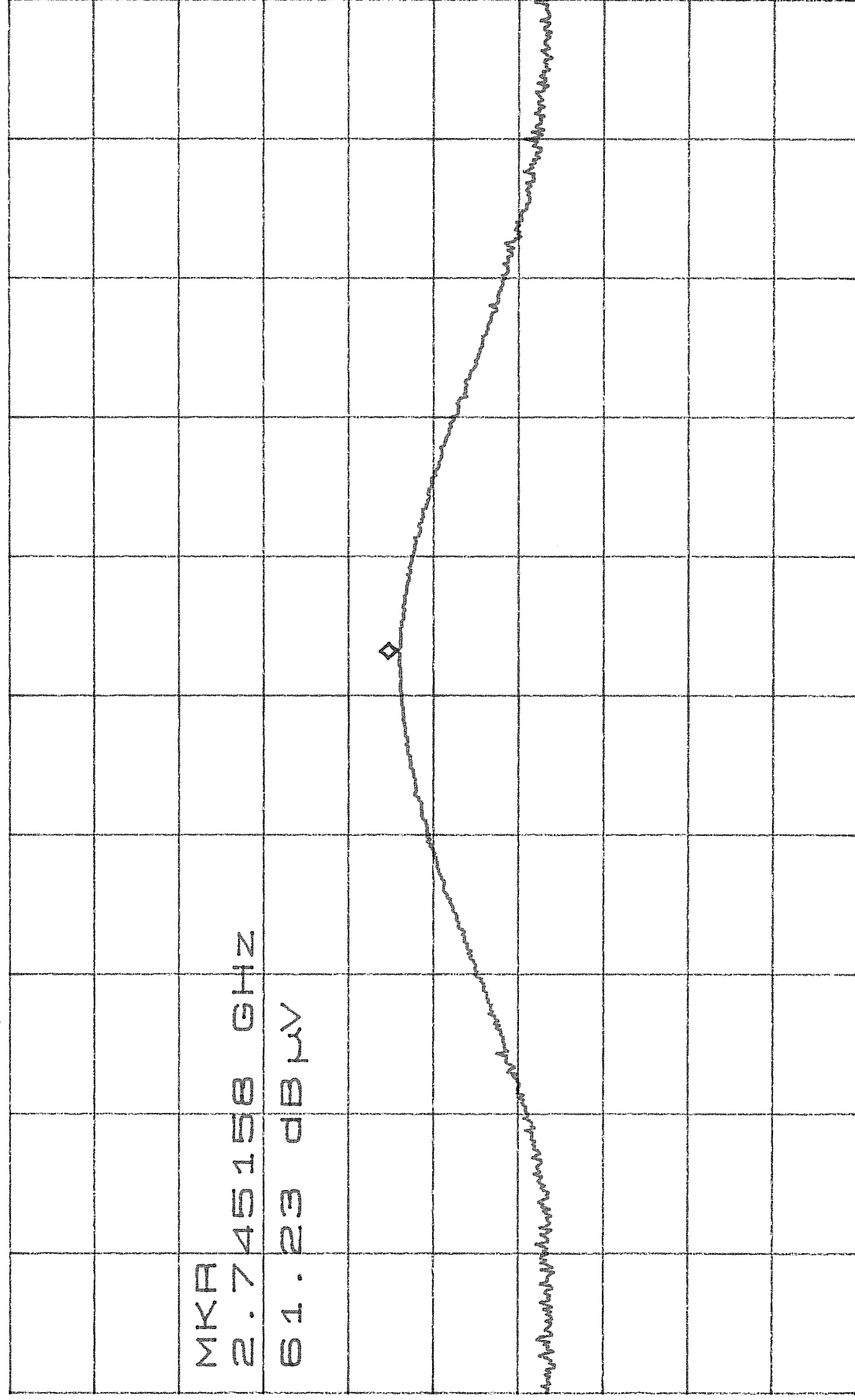
2.745158GHz

MKR

2.745158 GHz

61.23 dB μ V

D



CENTER 2.745000GHz

SPAN 5.000MHz

*RBW 1.0MHz

*VBW 1.0MHz

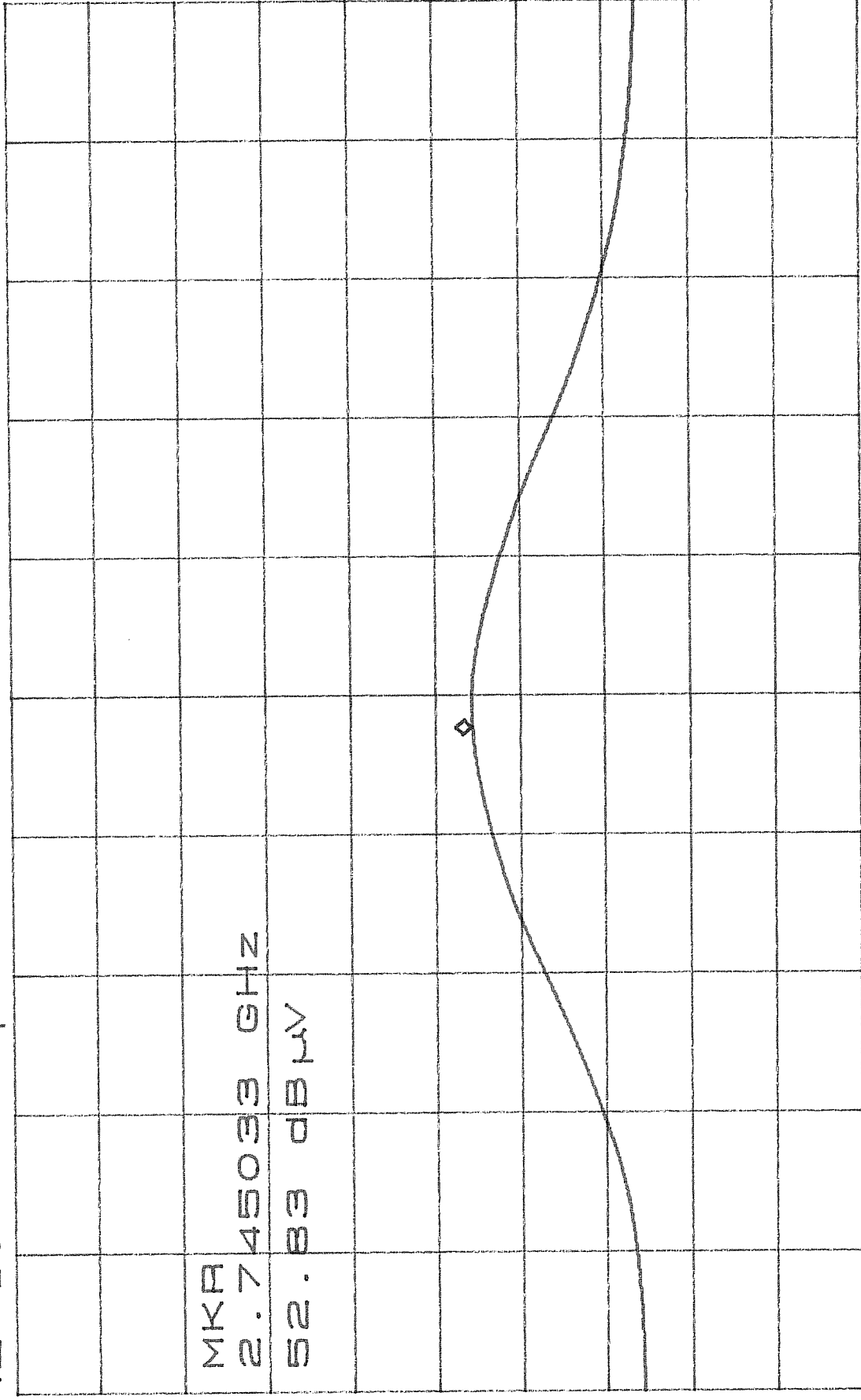
SWP 50.0ms

ATTEN 10dB MKR 52.83dBμV
RL 107.0dBμV 2.745033GHz

10dB/

MKR
2.745033 GHz
52.83 dBμV

D

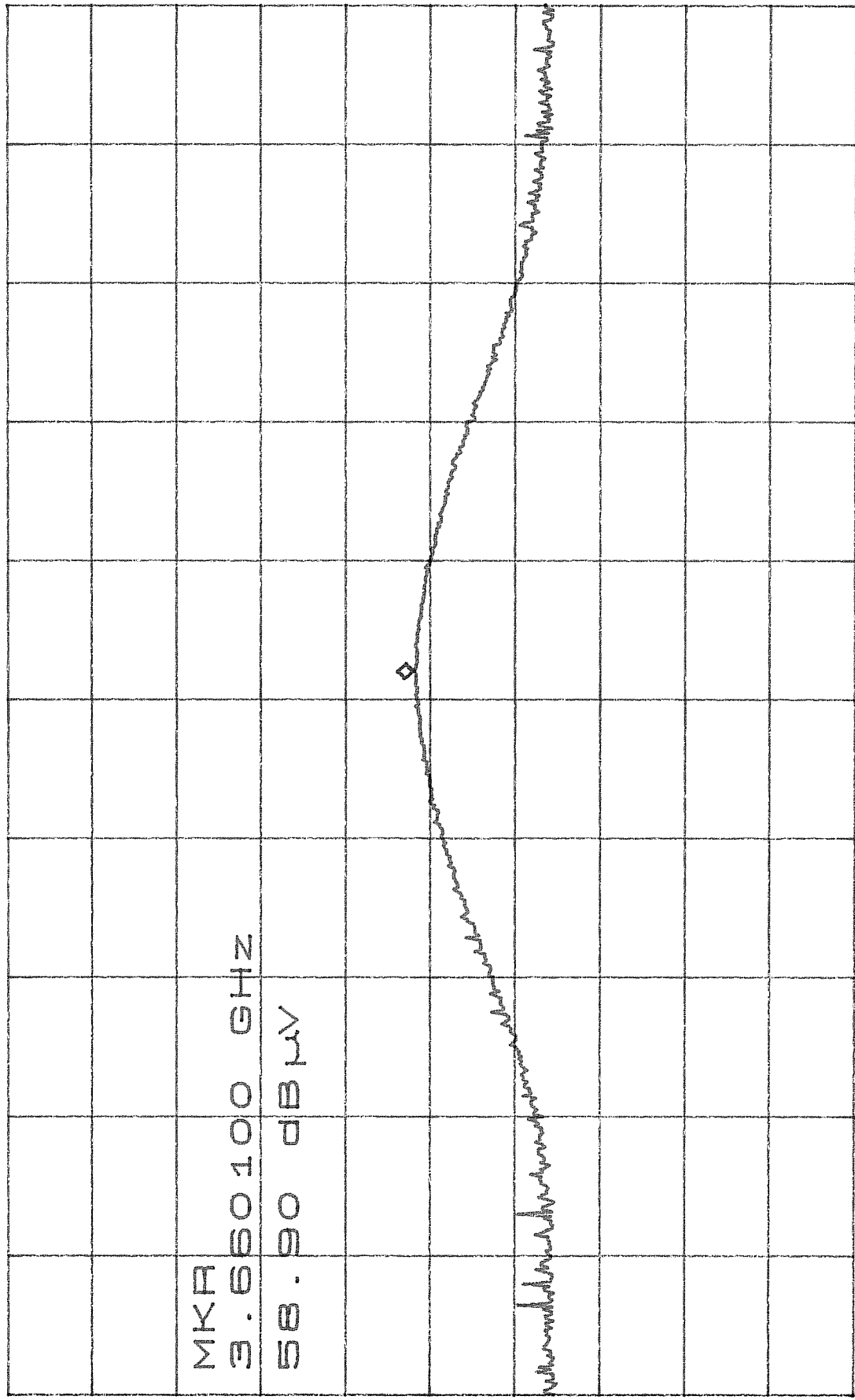


CENTER 2.745150GHz SPAN 5.000MHz
*RBW 1.0MHz *VBW 10Hz SWP 5.00sec

ATTEN 10dB MKR 58.90dBμV
RL 106.9dBμV 10dB/ 3.660100GHz

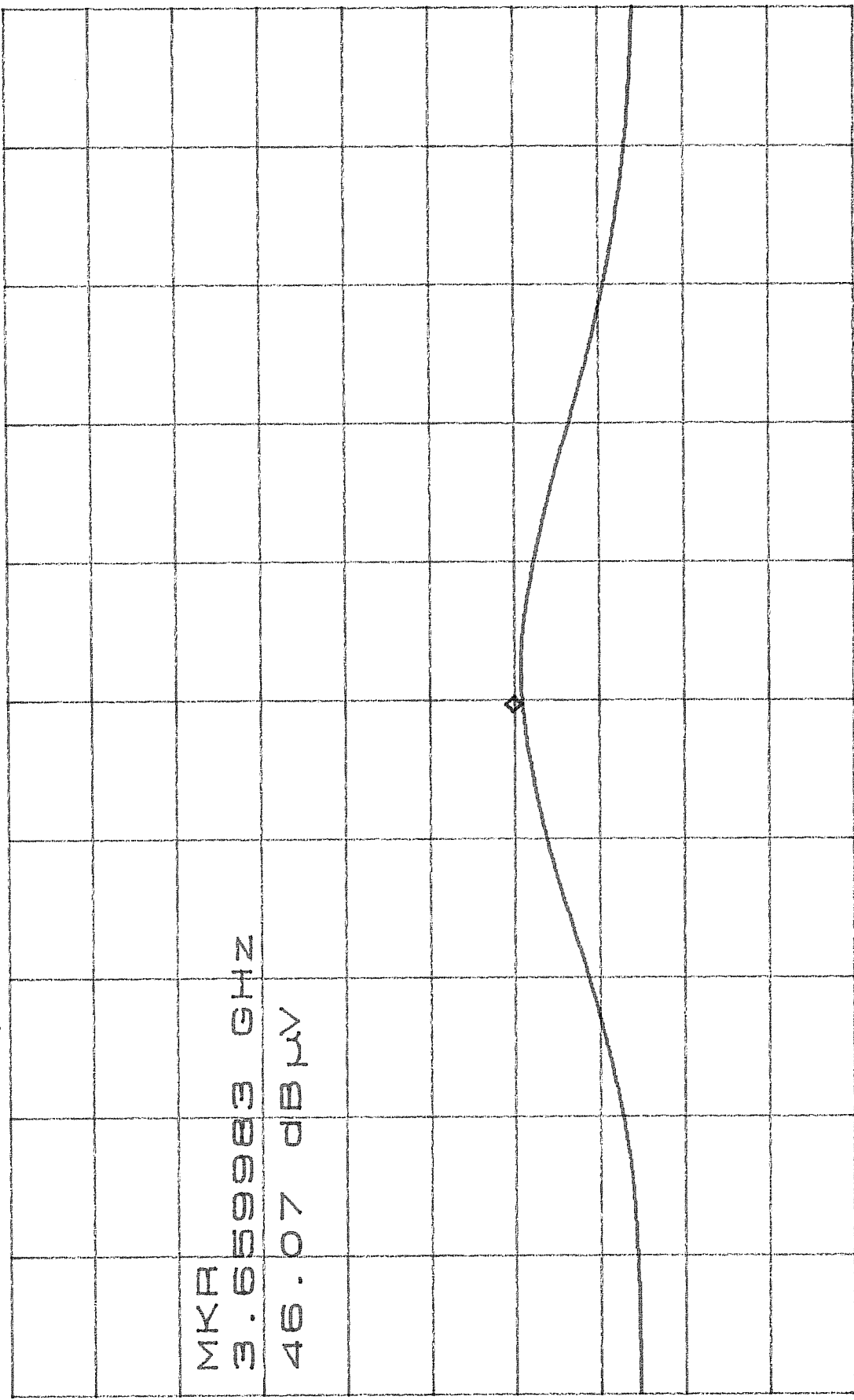
MKR
3.660100 GHz
58.90 dBμV

D



CENTER 3.660000GHz SPAN 5.000MHz
*RBW 1.0MHz *VBW 1.0MHz SWP 50.0ms

ATTEN 10dB MKR 46.07dB μ V
RL 106.9dB μ V 3.659983GHz



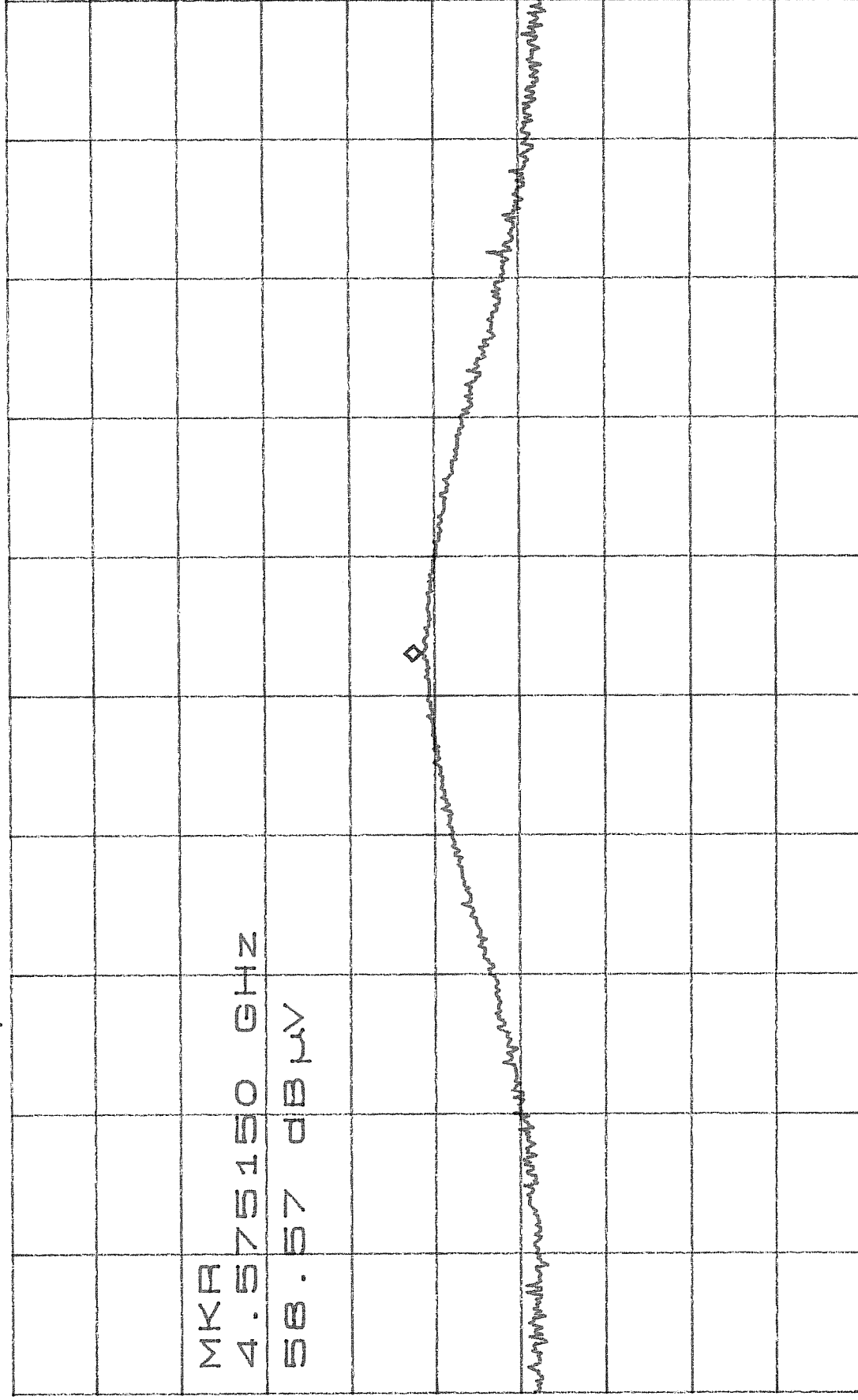
CENTER 3.659983GHz SPAN 5.000MHz
*RBW 1.0MHz *VBW 10Hz

ATTEN 10dB

MKR 58.57dBμV

RL 106.9dBμV 10dB/

4.575150GHz



MKR
4.575150 GHz

58.57 dBμV

D

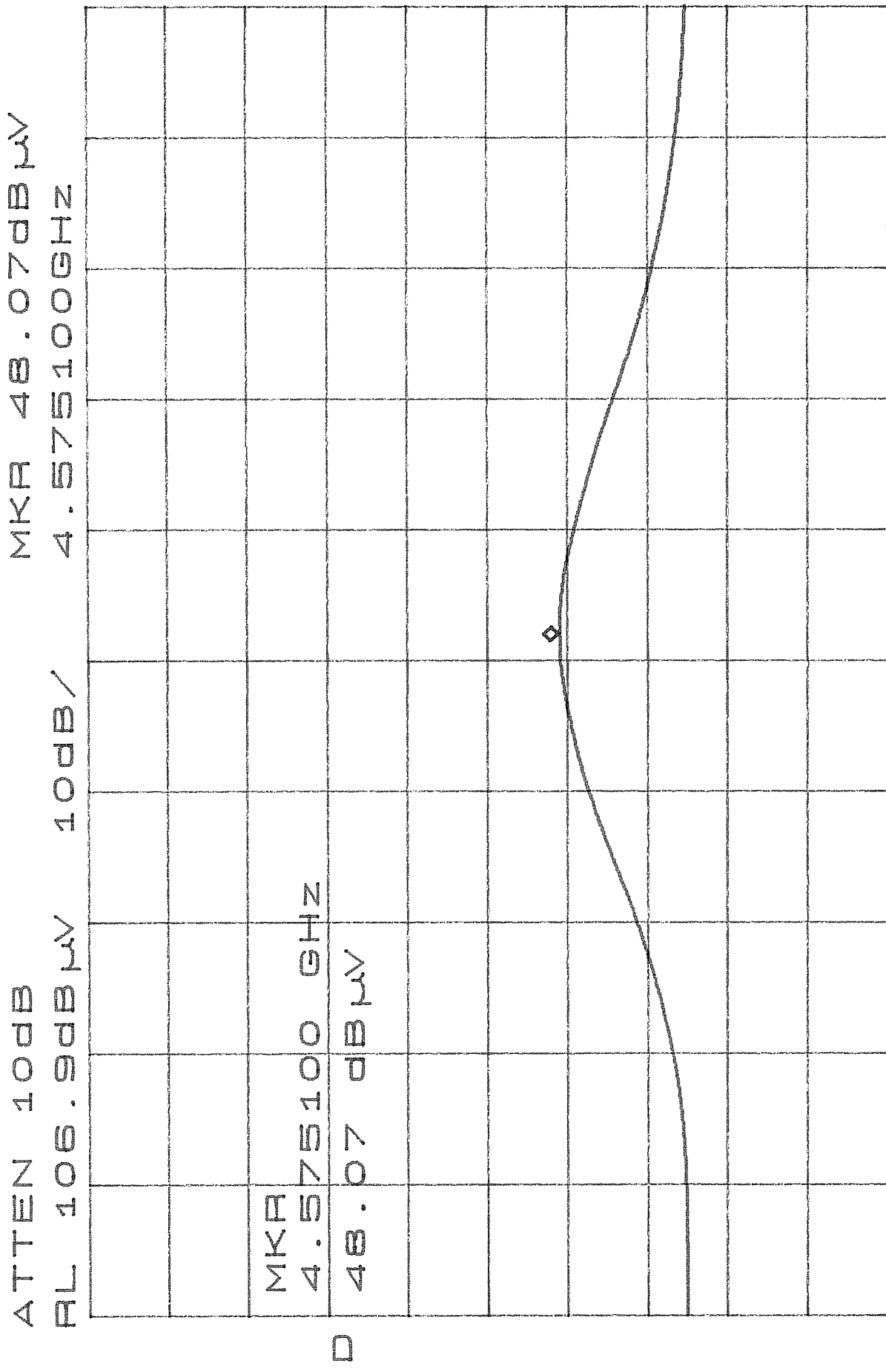
CENTER 4.575000GHz

SPAN 5.000MHz

*RBW 1.0MHz

*VBW 3.0MHz

SWP 50.0ms



CENTER 4.575000GHz SPAN 5.000MHz
*RBW 1.0MHz *VBW 10Hz SWP 5.00sec

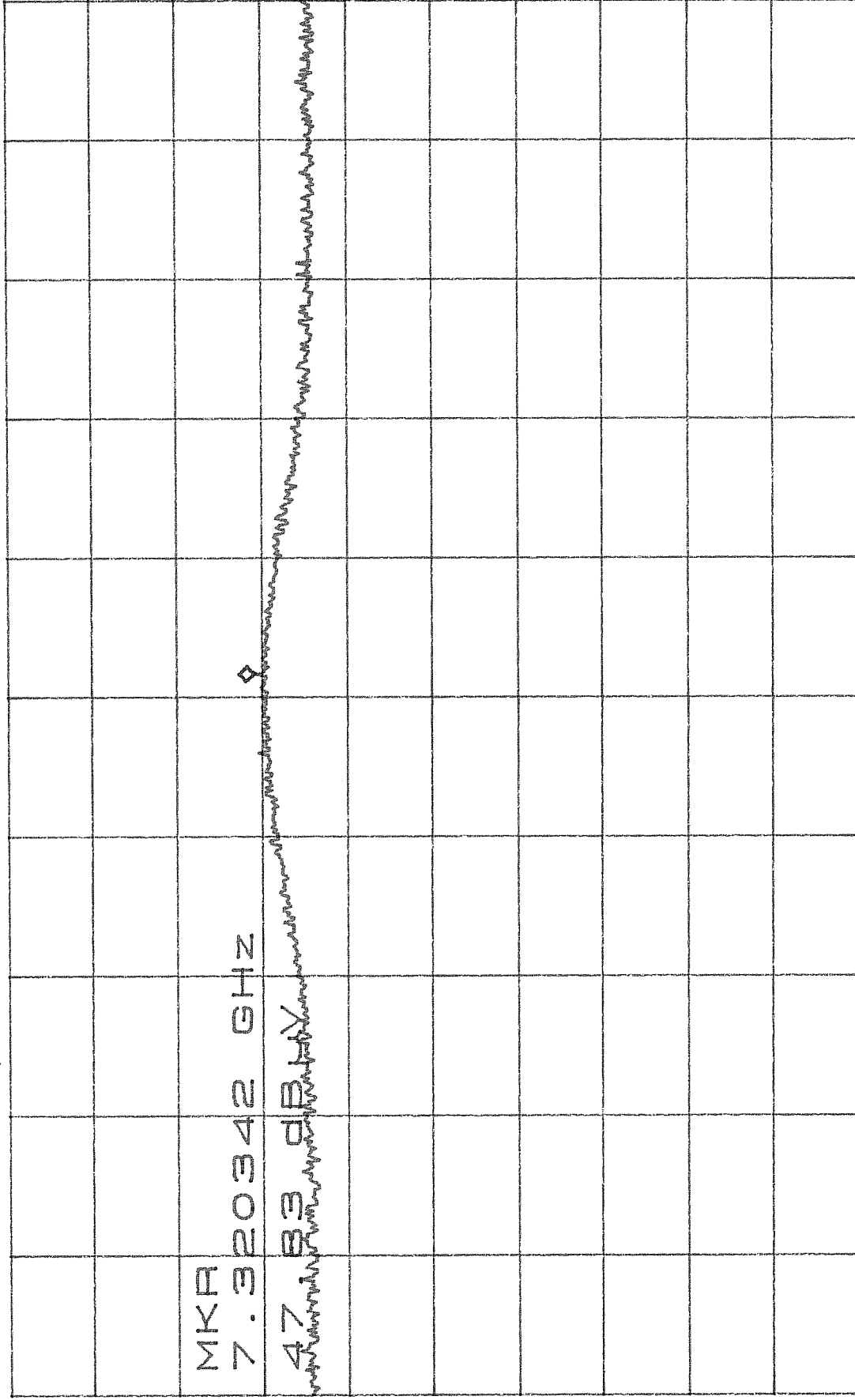
ATTEN 10dB

MKRA 47.83dBμV

RL 77.0dBμV

10dB/

7.320342GHz



D

CENTER 7.320258GHz

SPAN 5.000MHz

*RBW 1.0MHz

*VBW 1.0MHz

SWP 50.0ms

ATTEN 10dB

MKR 38.17dBμV

PL 77.0dBμV

10dB/

7.320092GHz

MKR

7.320092 GHz

38.17 dBμV

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D

CENTER 7.320258GHz

SPAN 5.000MHz

*RBW 1.0MHz

*VBW 10Hz

SWP 5.00sec

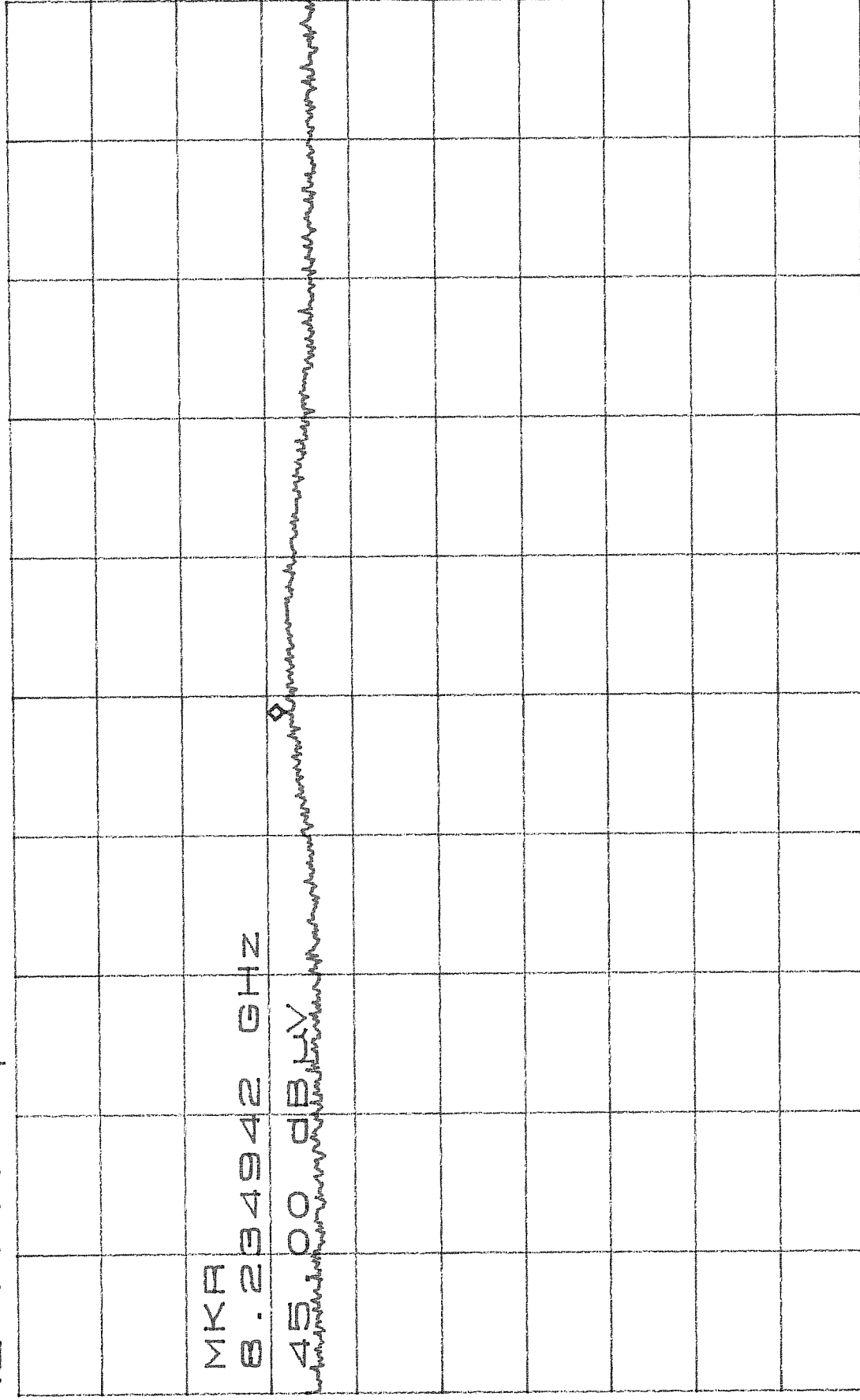
ATTEN 10dB

MKR 45.00dBμV

RL 77.0dBμV

10dB/

8.234942GHz



MKR

8.234942 GHz

45.00 dBμV

D

CENTER 8.235000GHz

SPAN 5.000MHz

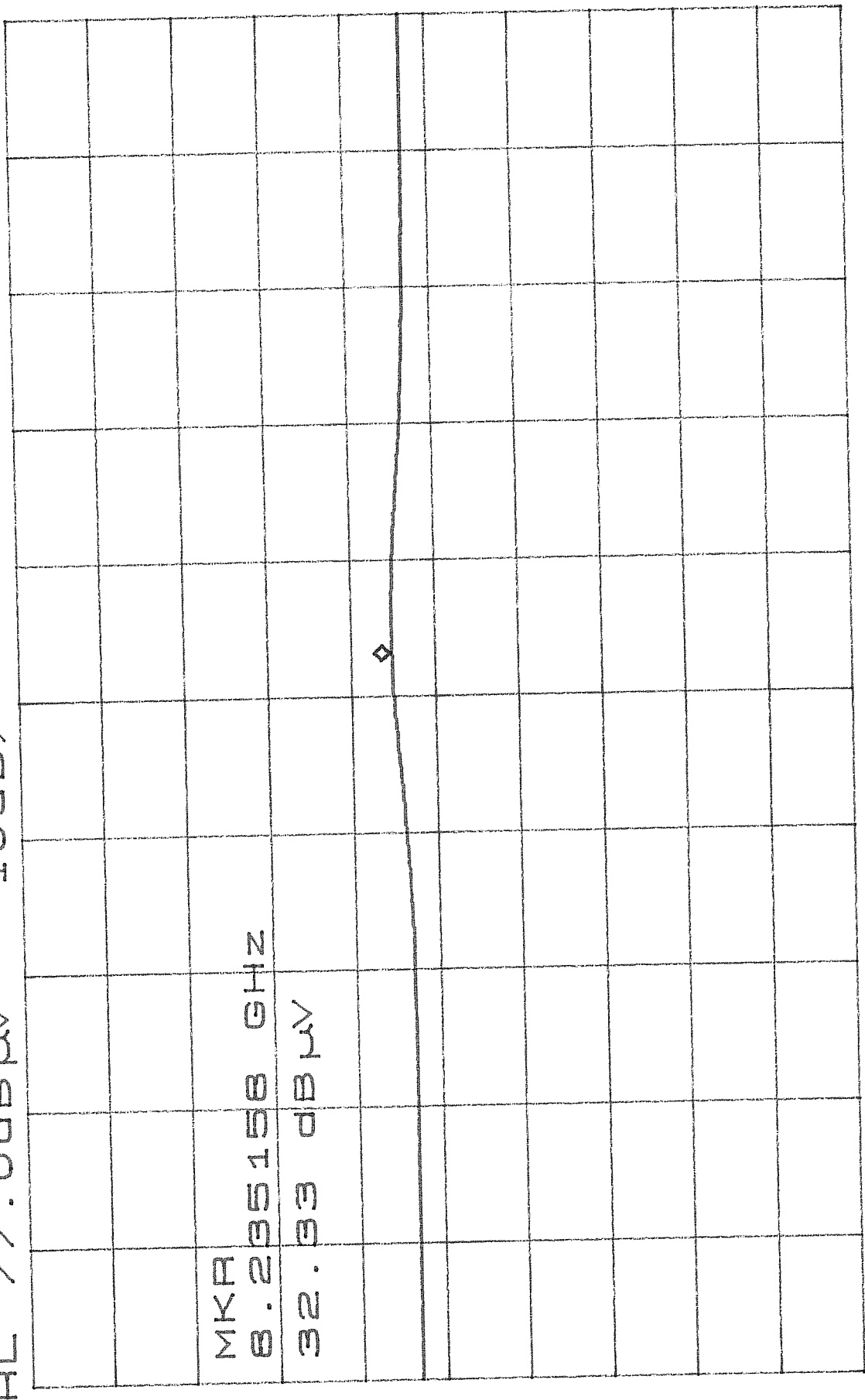
*RBW 1.0MHz

*VBW 1.0MHz

SWP 50.0ms

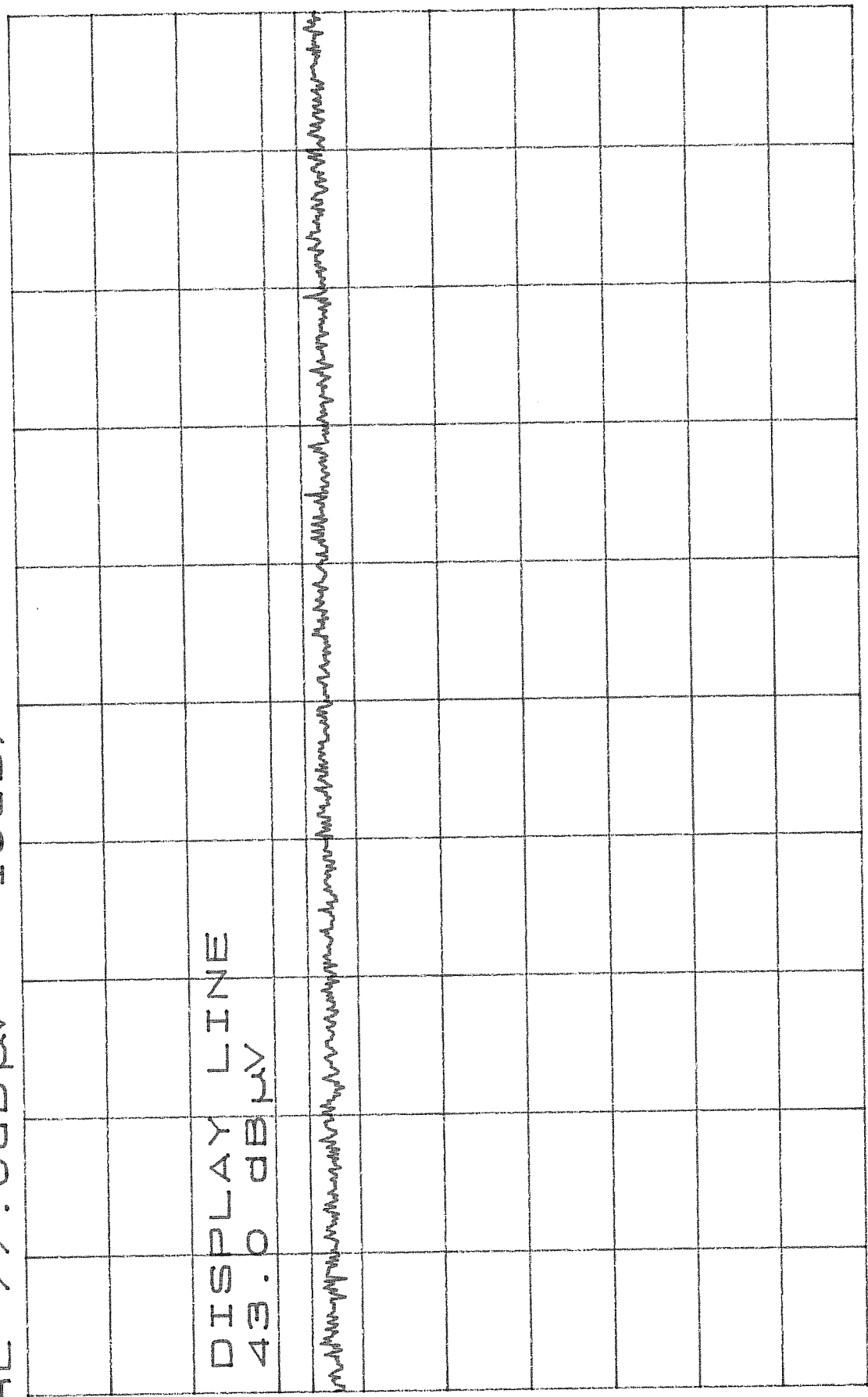
ATTEEN 10dB
RL 77.0dBμV

MKR 32.33dBμV
8.235158GHz



SPAN 5.000MHz
CENTER 8.235000GHz
*RBW 1.0MHz *VBW 10Hz
SWP 5.00sec

ATTEN 10dB
RL 77.0dBμV 10dB/

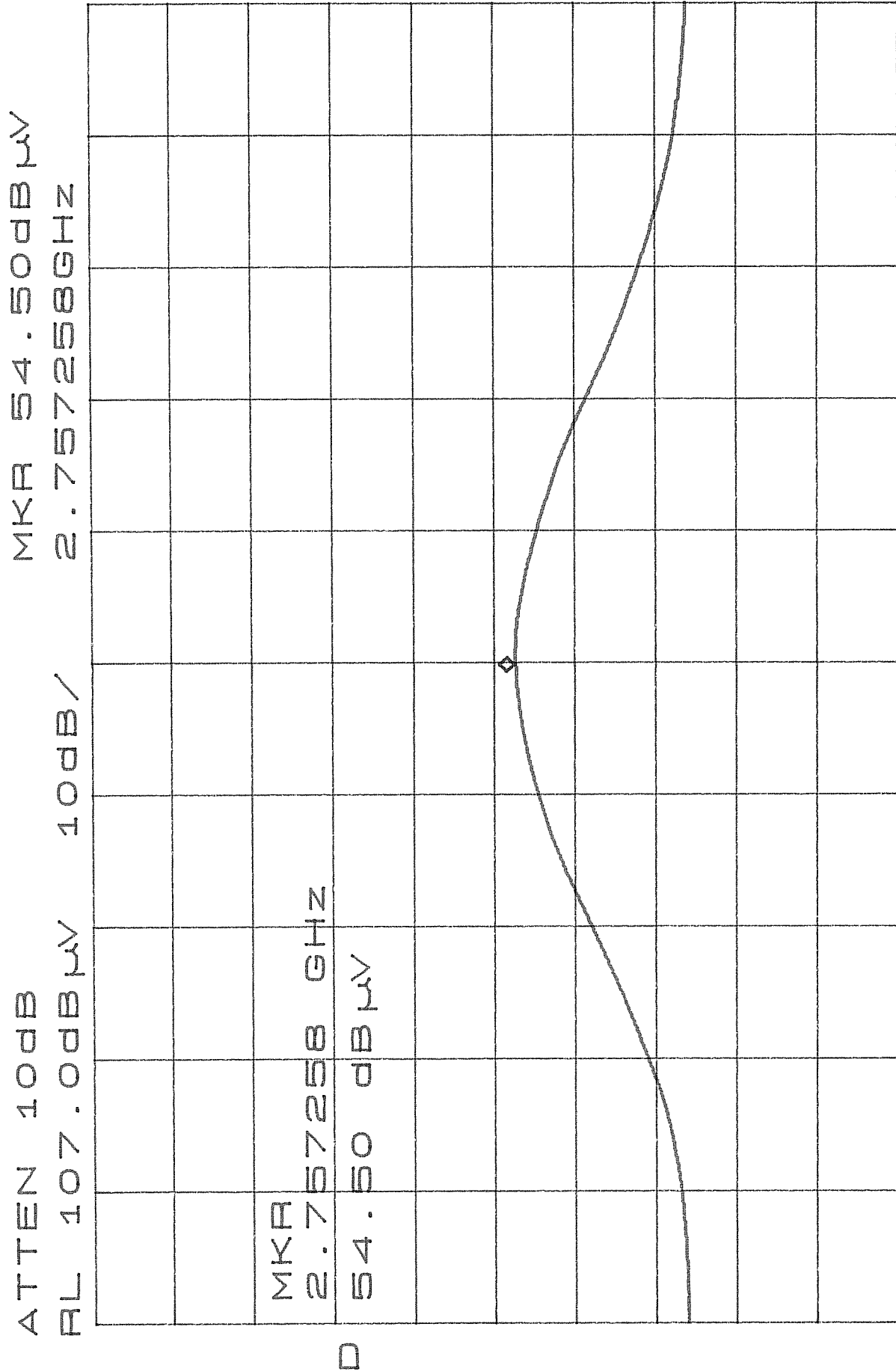


START 8.300GHZ STOP 10.000GHZ
*RBW 1.0MHZ *VBW 1.0MHZ SWP 50.0ms

High Channel



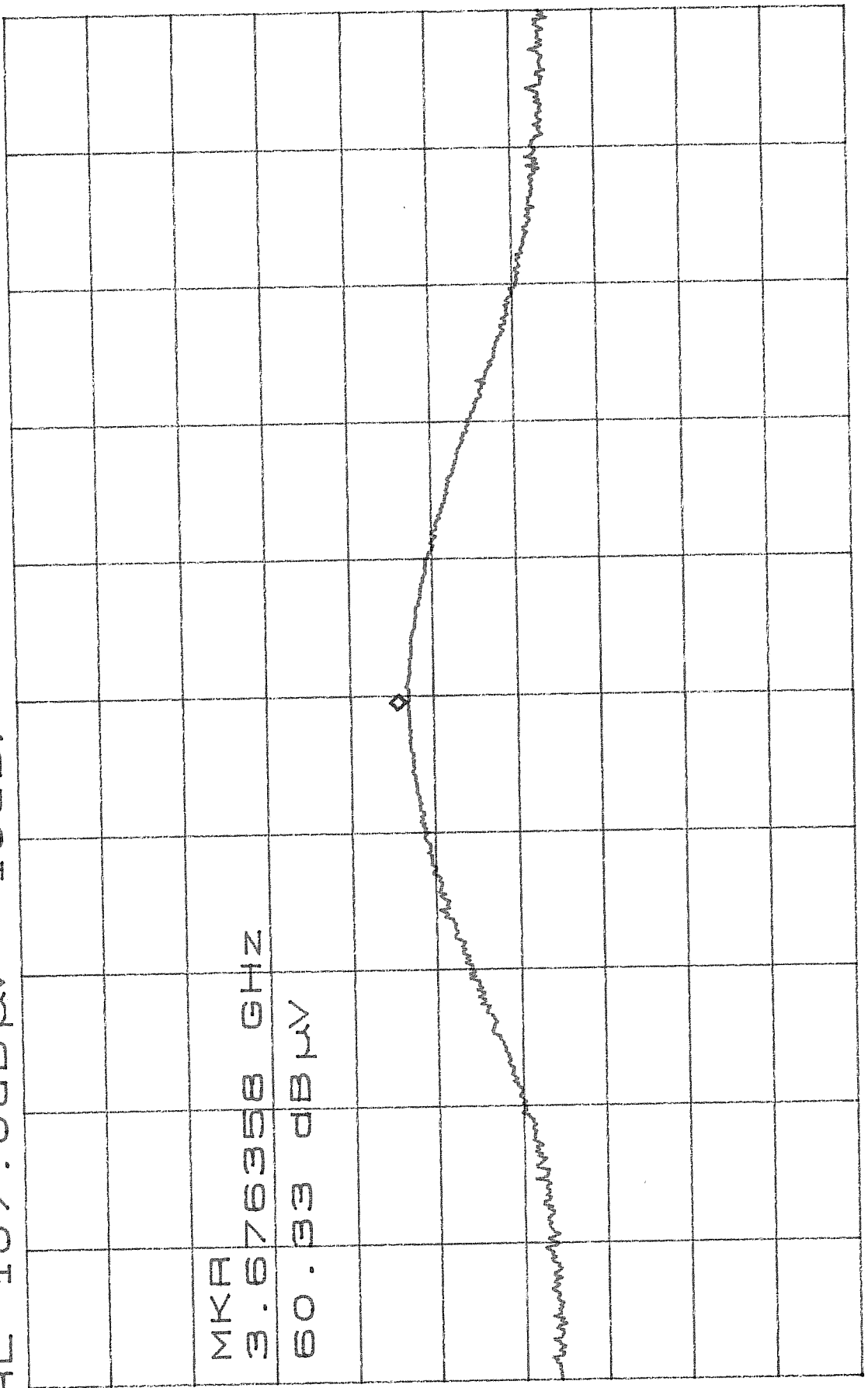
CENTER 2.757267GHz SPAN 5.000MHz
*RBW 1.0MHz *VBW 1.0MHz SWP 50.0ms



CENTER 2.757267GHz SPAN 5.000MHz
*RBW 1.0MHz *VBW 10Hz SWP 5.000sec

ATTEN 10dB MKR 60.33dBμV
RL 107.0dBμV 10dB/ 3.676358GHz

MKR
3.676358 GHz
60.33 dBμV



CENTER 3.676383GHz SPAN 5.000MHz
*RBW 1.0MHz *VBW 1.0MHz SWP 50.0ms

D

ATTEN 10dB

MKR 49.83dBμV

RL 107.0dBμV 10dB/

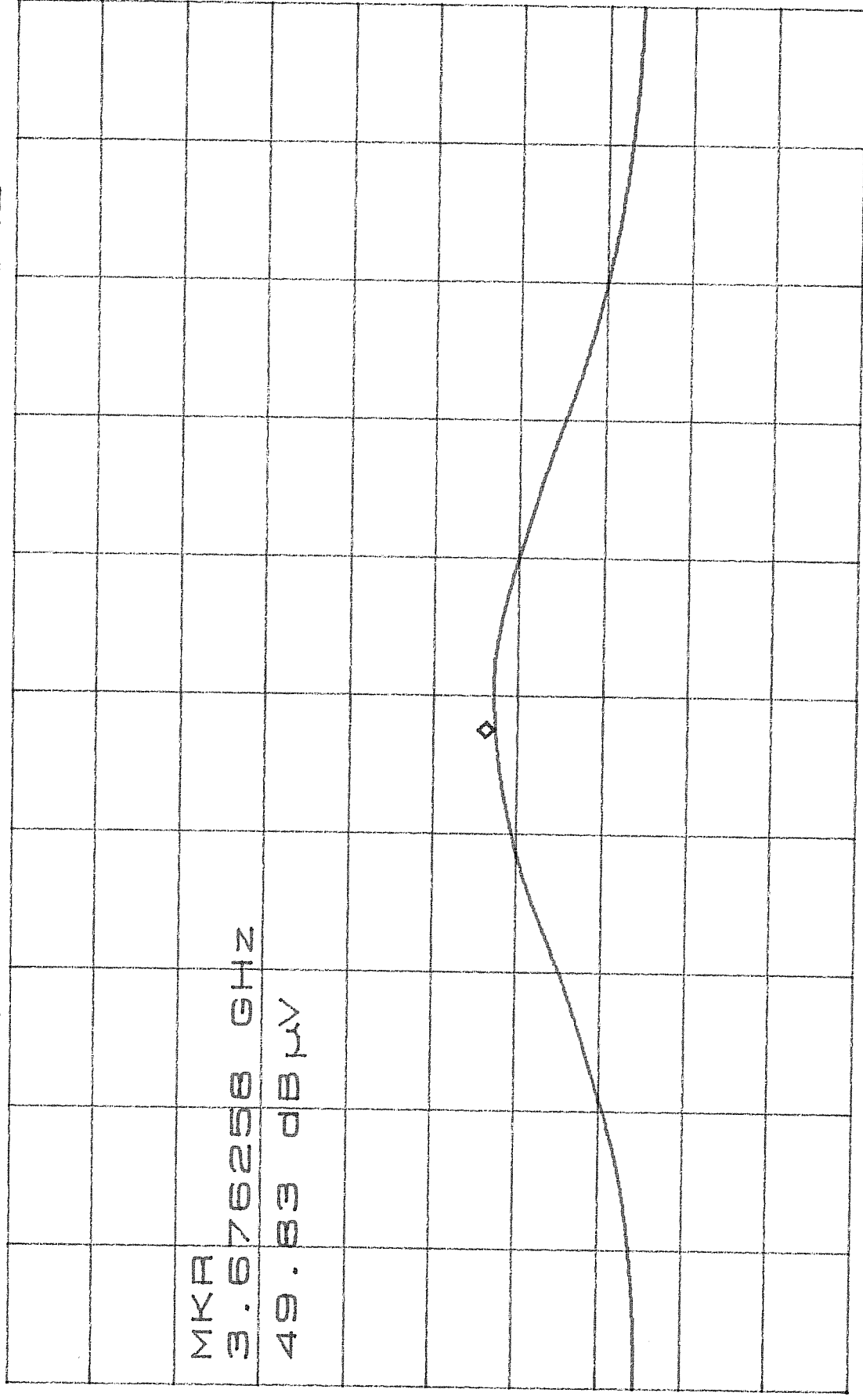
3.676258GHz

MKR

3.676258 GHz

49.83 dBμV

D



CENTER 3.676383GHz

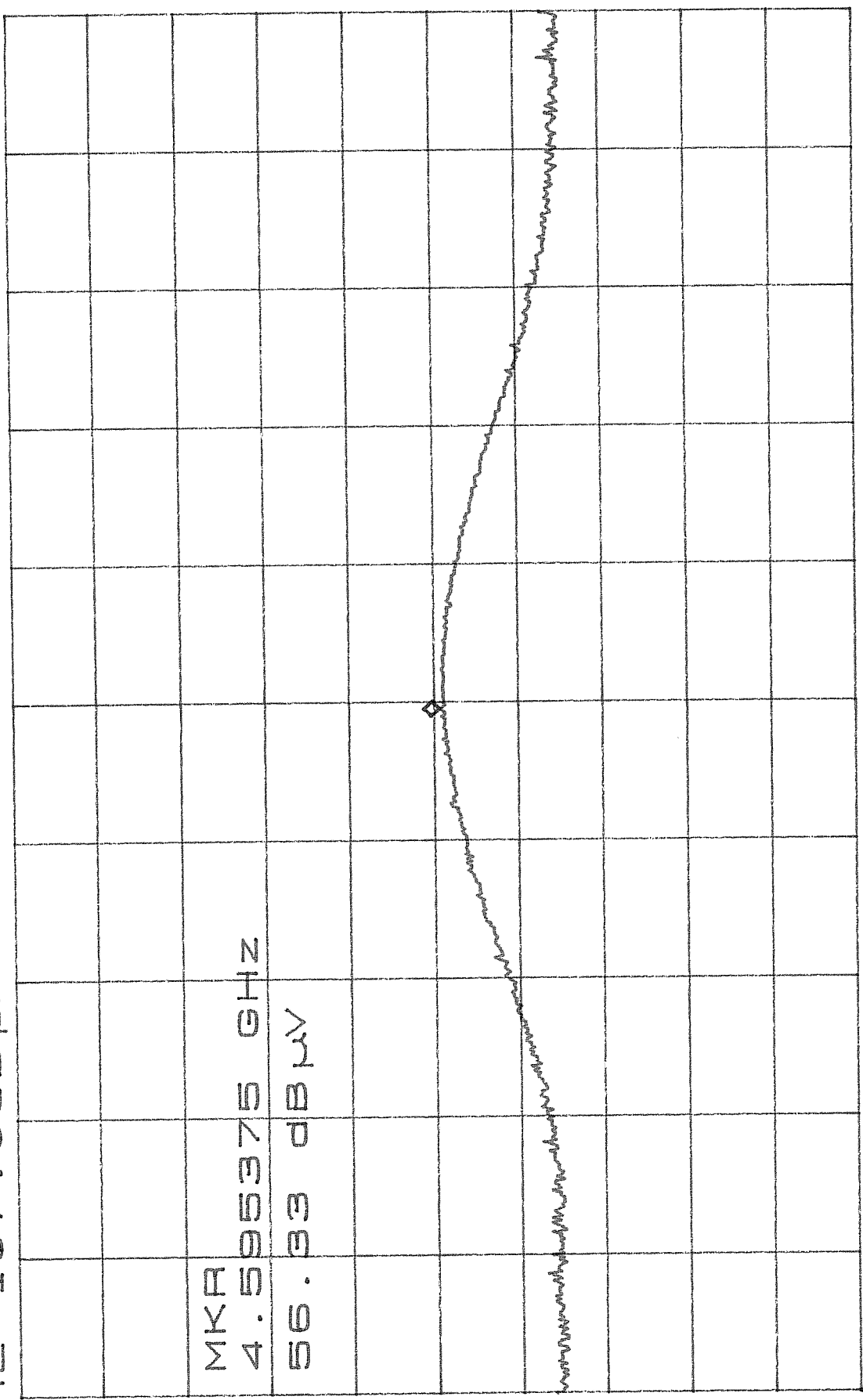
SPAN 5.000MHz

*RBW 1.0MHz *VBW 10Hz

SWP 5.00sec

ATTEN 10dB MKR 56.33dB μ V
RL 107.00dB μ V 10dB/ 4.5953750Hz

MKR
4.595375 GHz
56.33 dB μ V



CENTER 4.595400GHz SPAN 5.000MHz
*RBW 1.0MHz *VBW 1.0MHz SWP 50.0ms

D

ATTEN 10dB

RL 107.0dBμV

10dB/

MKR 47.33dBμV

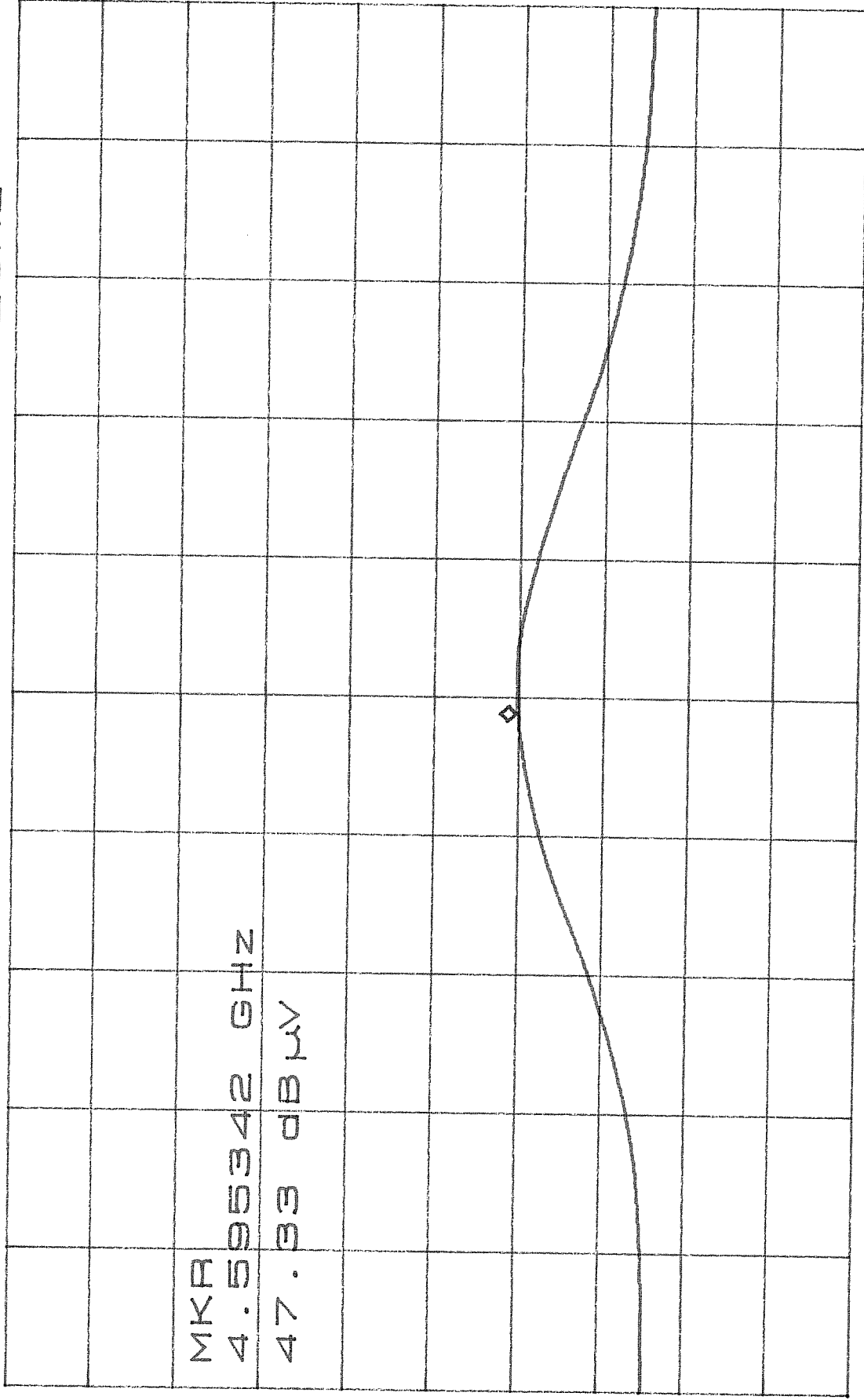
4.595342GHz

MKR

4.595342 GHz

47.33 dBμV

D



CENTER 4.595400GHz

*RBW 1.0MHz

*VBW 10Hz

SPAN 5.000MHz

SWP 5.000sec

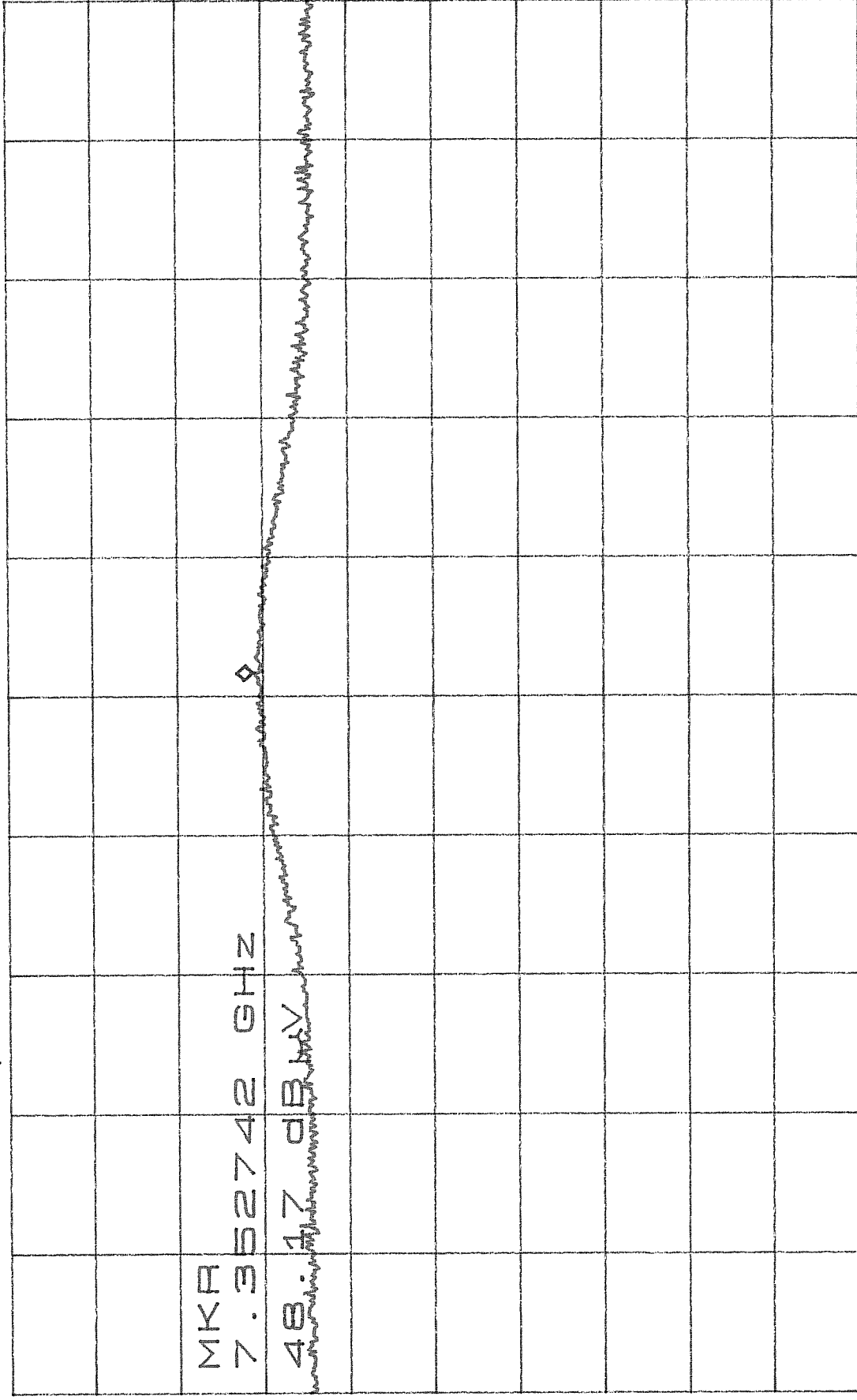
ATTEN 10dB

MKR 48.17dBμV

RL 77.0dBμV

10dB/

7.352742GHz



MKR

7.352742 GHz

48.17 dBμV

D

CENTER 7.352658GHz

SPAN 5.000MHz

*RBW 1.0MHz

*VBW 1.0MHz

SWP 50.0ms

ATTEN 10dB

PL 77.0dBμV

MKR 39.67dBμV

7.352575GHz

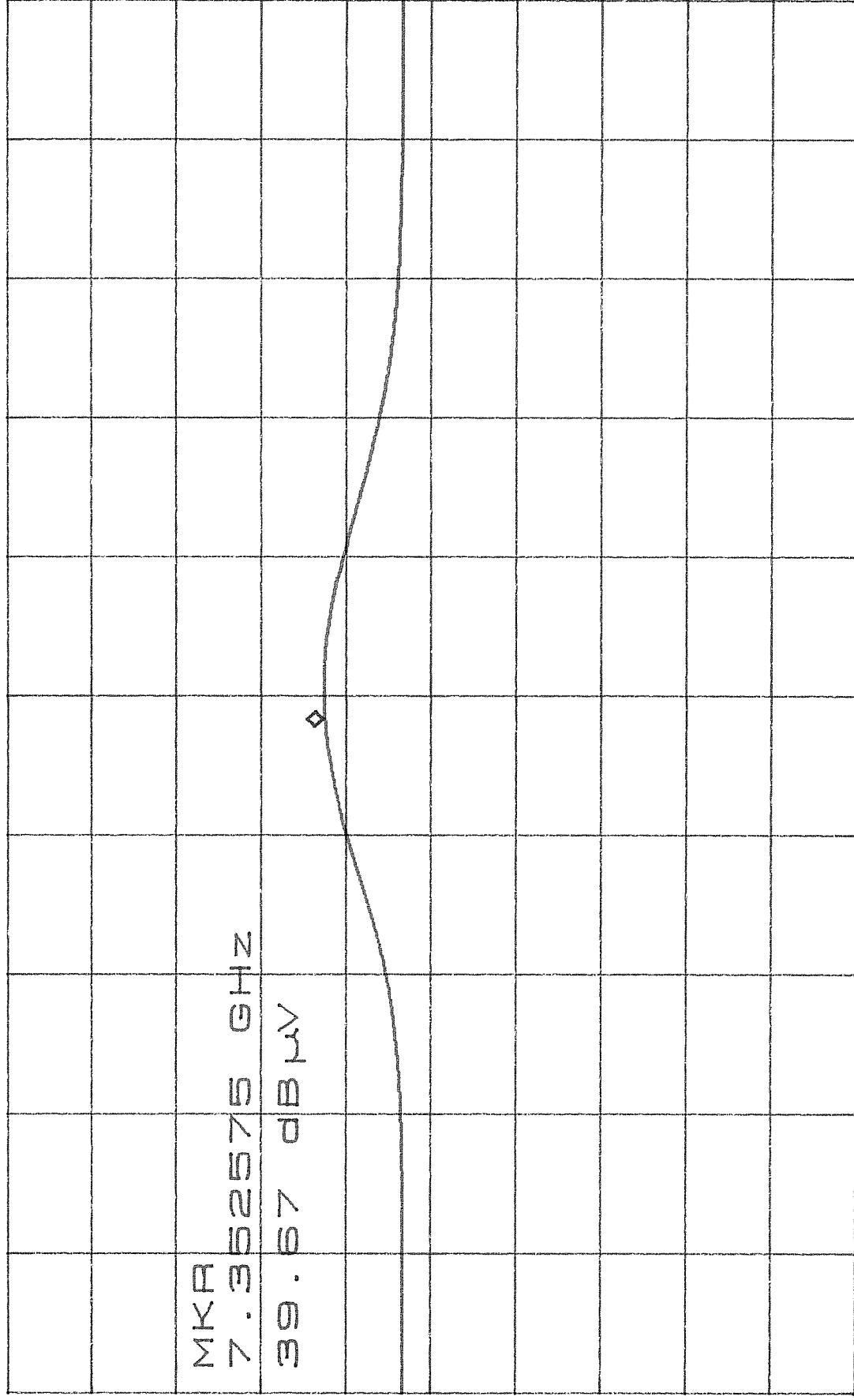
10dB/

MKR

7.352575 GHz

39.67 dBμV

D



CENTER 7.352658GHz

*RBW 1.0MHz

*VBW 10Hz

SPAN 5.000MHz

SWP 5.00sec

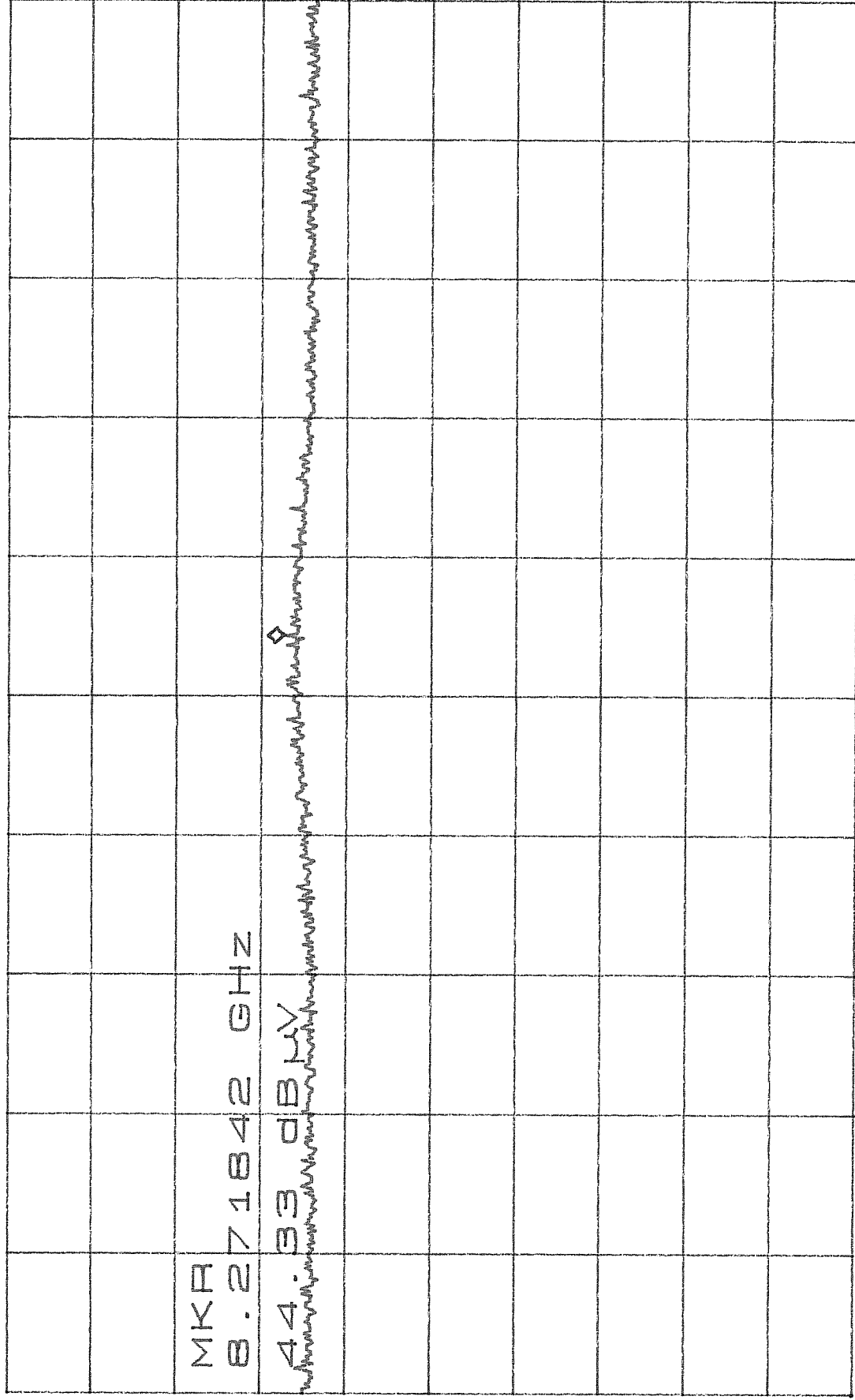
ATTEN 10dB

MKR 44.33dB μ V

RL 77.0dB μ V

10dB/

8.271842GHz



D

CENTER 8.271842GHz

SPAN 5.000MHz

*RBW 1.0MHz

*VBW 1.0MHz

SWP 50.0ms

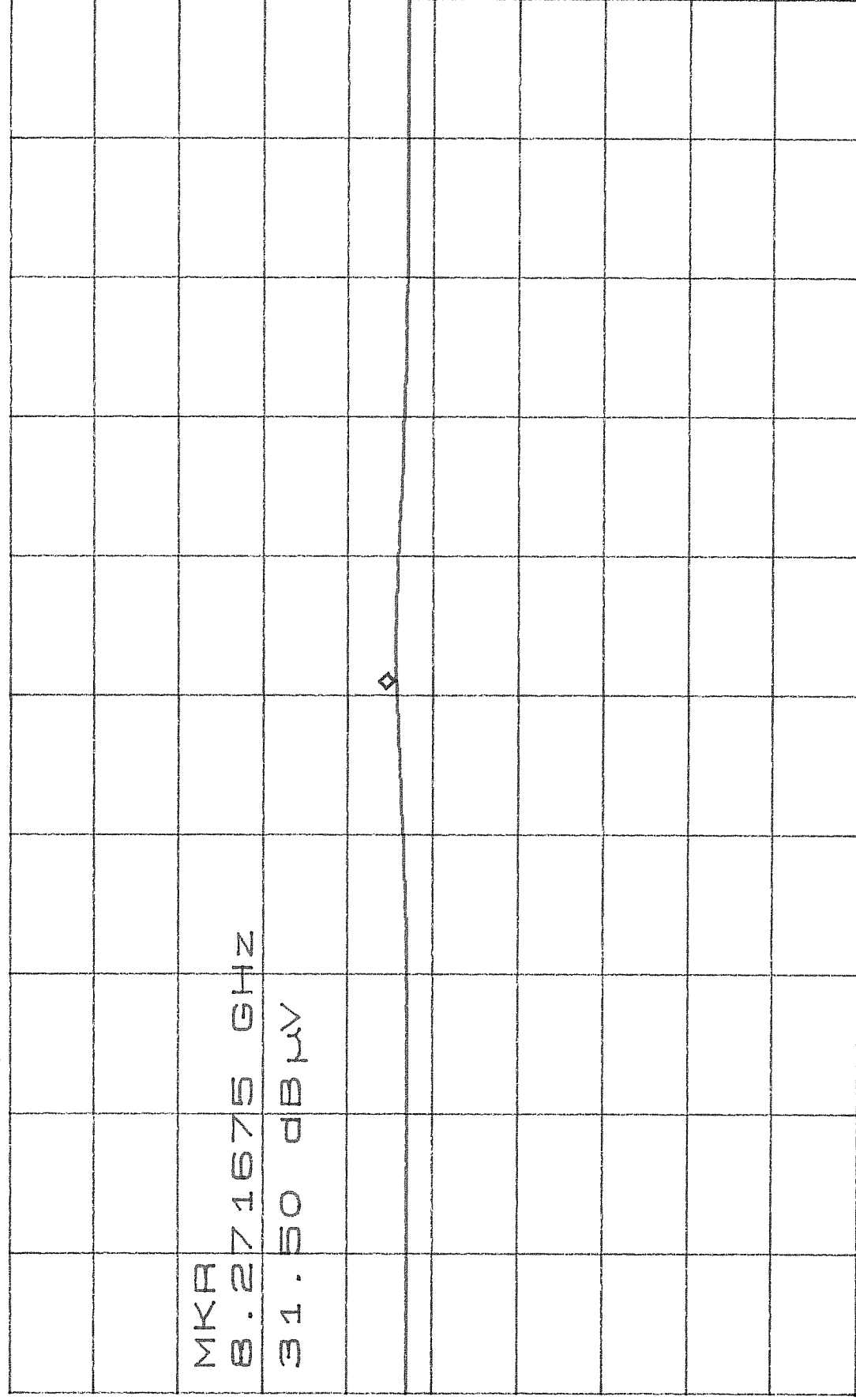
ATTEN 10dB

MKR 31.50dBμV

RL 77.0dBμV

10dB/

8.271675GHz



MKR

8.271675 GHz

31.50 dBμV

CENTER 8.271625GHz

SPAN 5.000MHz

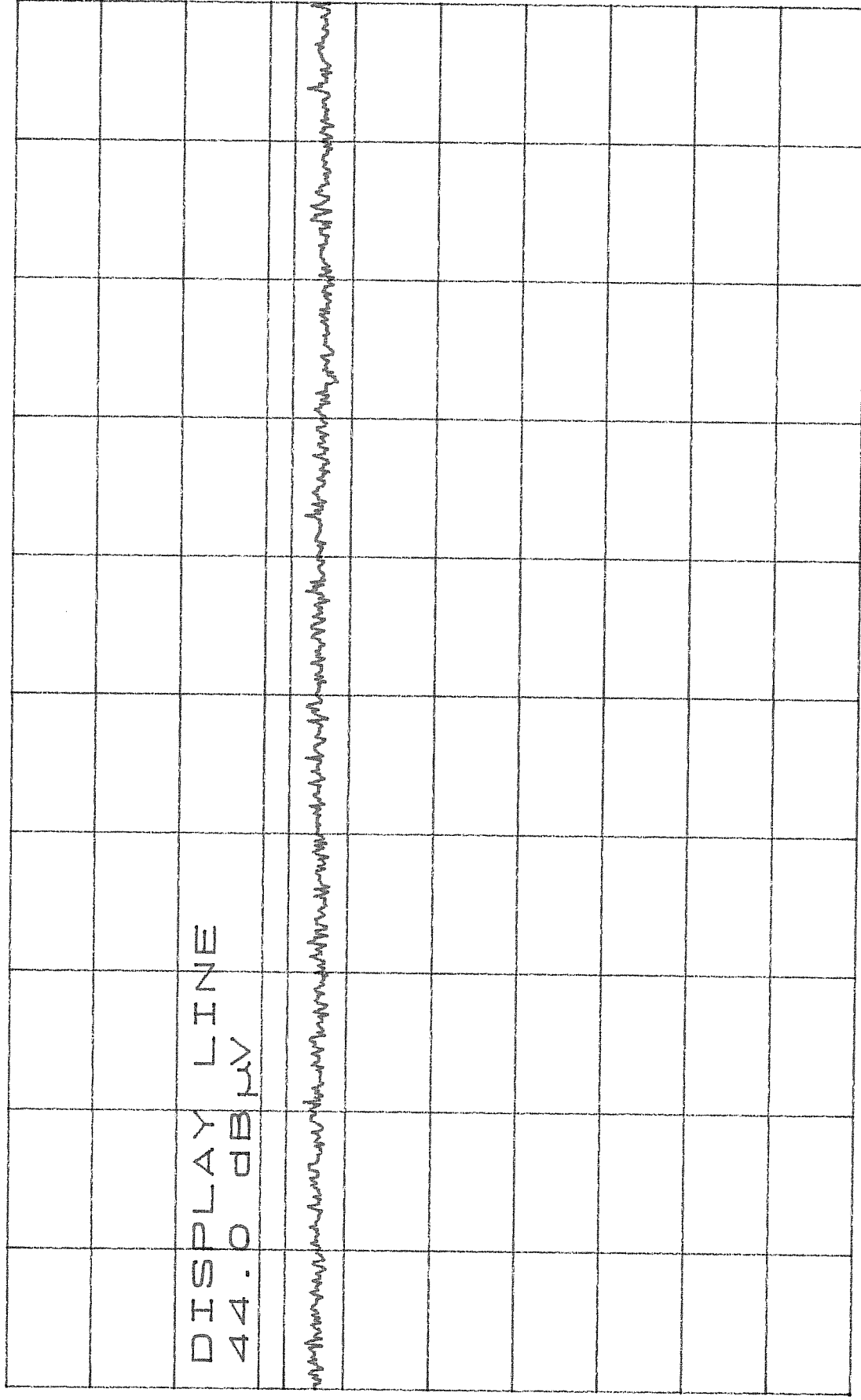
*RBW 1.0MHz

*VBW 10Hz

SWP 5.00sec

ATTEN 10dB

RL 77.0dB μ V 10dB/



START 8.300GHZ

STOP 10.000GHZ

*RBW 1.0MHZ

*VBW 1.0MHZ

SWP 50.0ms