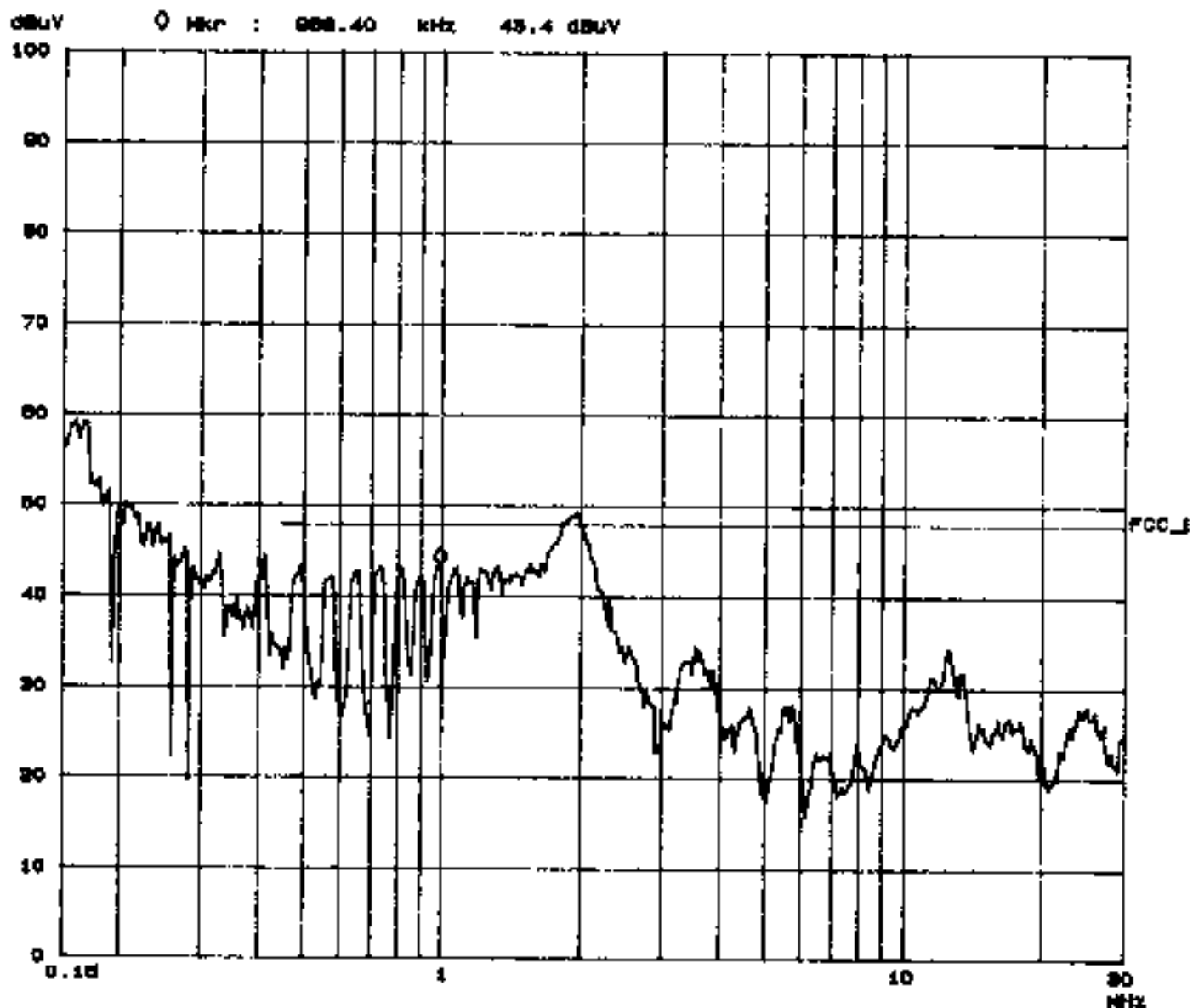


Elliott Laboratories Conducted Emissions

18. Mar 01 00:58

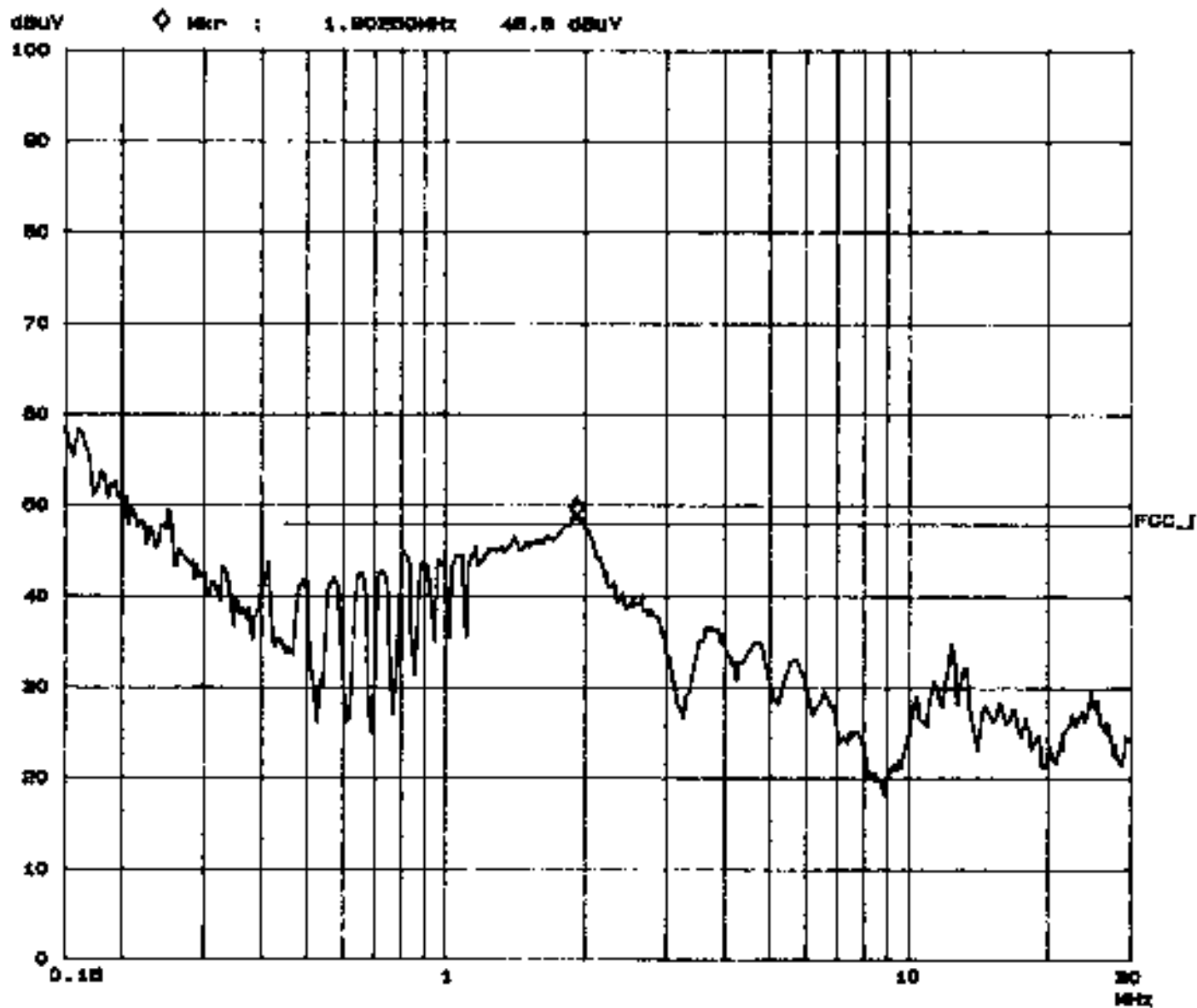
Operator: Mehren K Singeni
Comment: Powerwave Inc. *PKM/G*
020800 Run 4
Powerwave rev. 2A
() 250V/50Hz (X) 120V/60Hz
/w/LT A=Ambient
() Line (X) Neutral



Elliott Laboratories Conducted Emissions

18. Mar 01 01:13

Operator: Mahan M Birgani
Comment: Sharanya Inc.
090888 Run 4
Powerwave rev. 2A
() 230V/50Hz (X) 120V/60Hz
/_EUT A-Ambient
(X) Line () Neutral



OUTPUT POWER SPECTRAL DENSITY

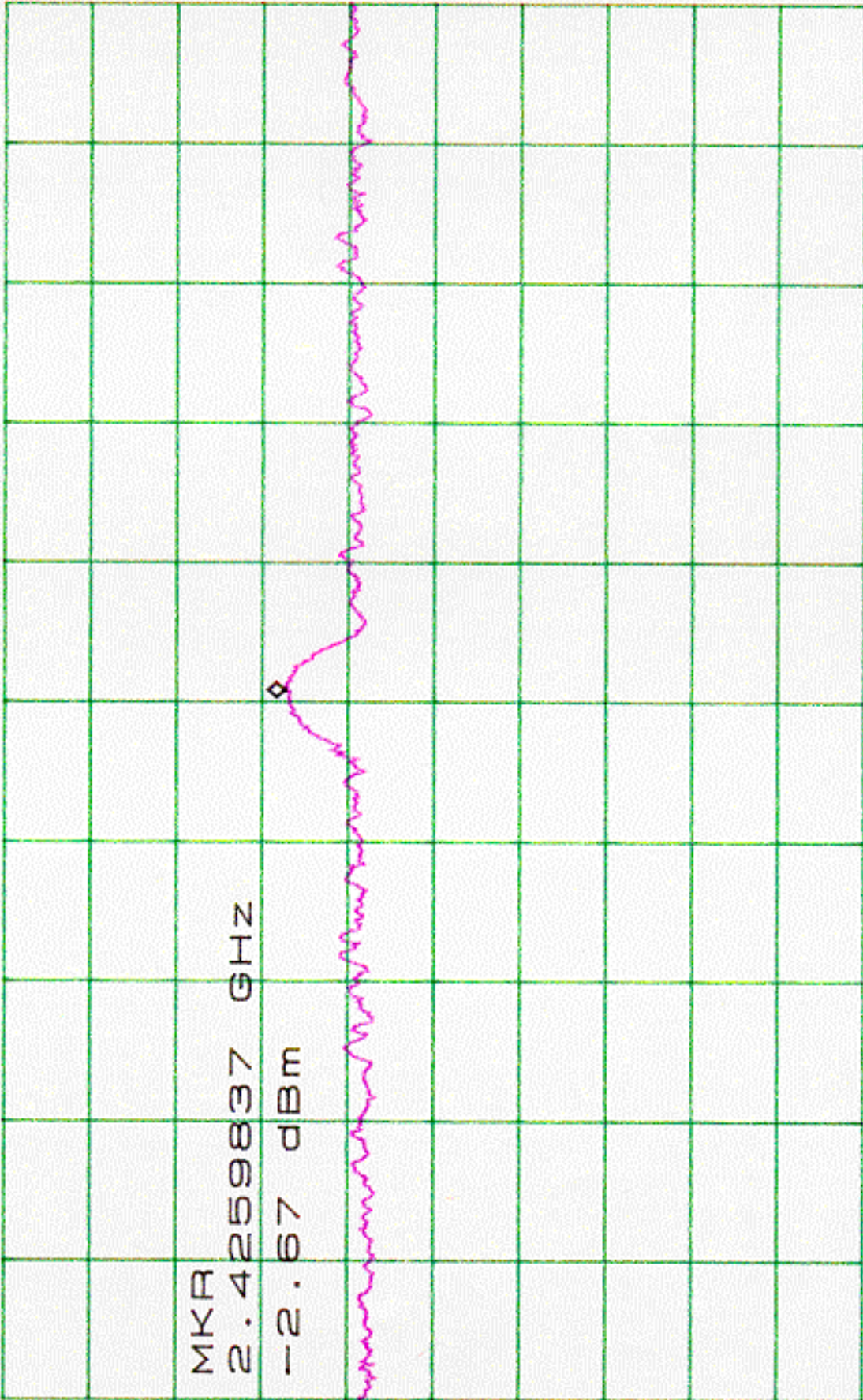
Low Channel

2425 MHz

ATTEN 40dB
RL 30.0dBm

MKR -2.67dBm
2.4259837GHZ

10dB/



D

CENTER 2.4259812GHZ
RBW 3.0KHZ VBW 3.0KHZ

SPAN 300.0KHZ
*SWP 100SEC

6dB BANDWIDTH

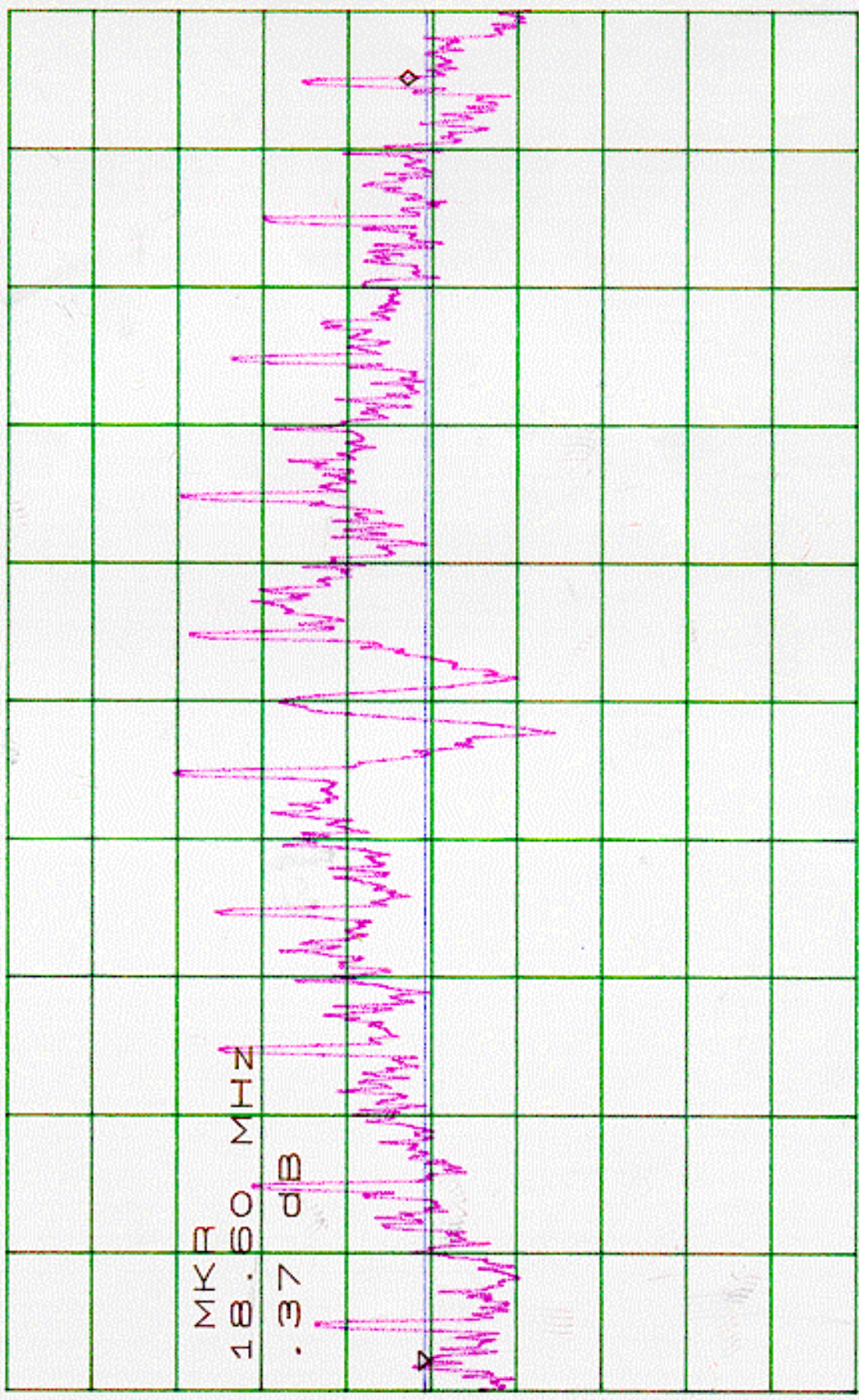
Lower Channel

2425 MHz

ATTEN 30dB
PL 13.9dBm

MKR .37dB
18.60MHz

2dB/



D

CENTER 2.42510GHz
*RBW 100kHz *VBW 100kHz

SPAN 20.00MHz
SWP 50.0ms

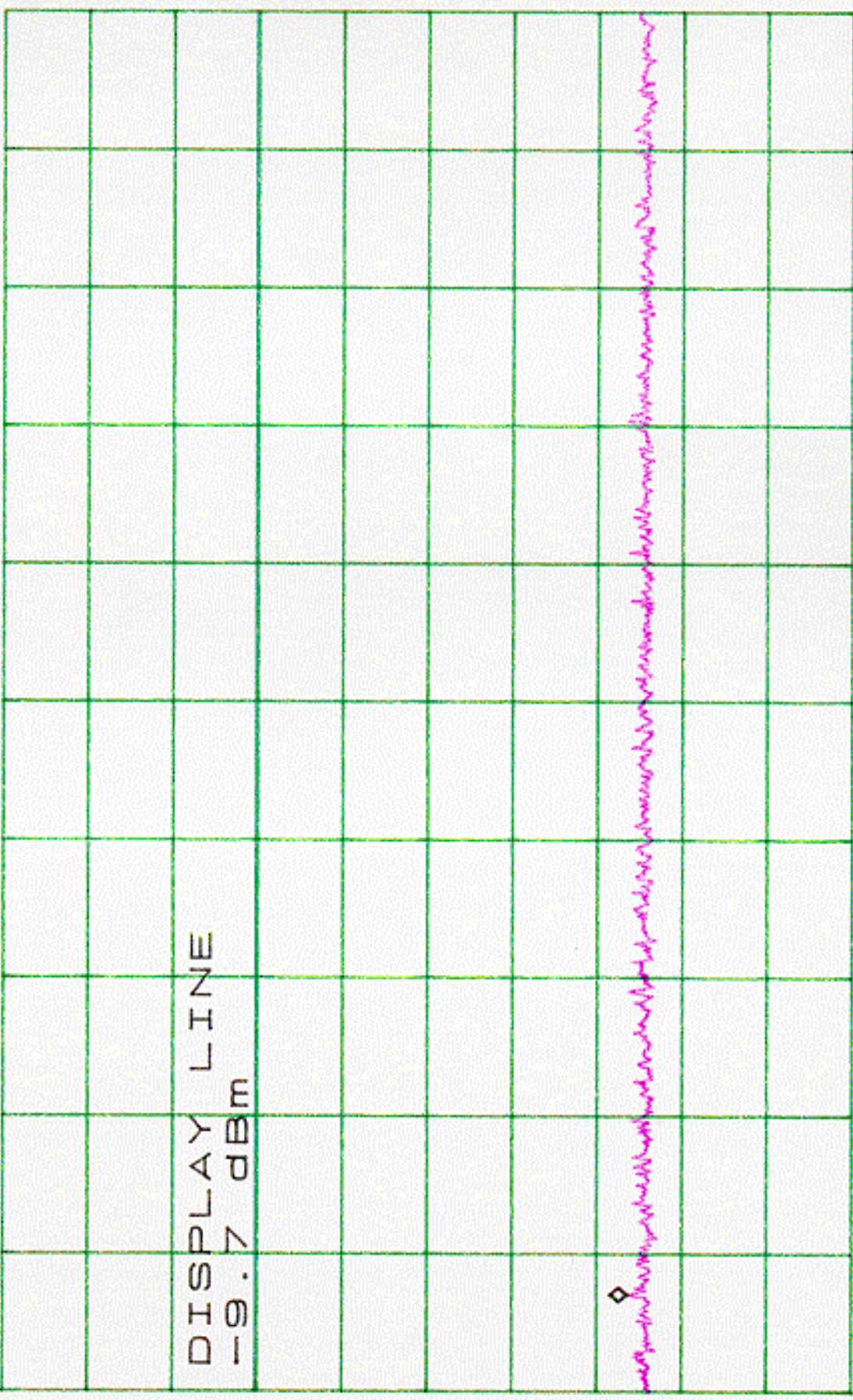
ANTENNA PORT CONDUCTED

LOWER CHANNEL

ATTEN 30dB MKR -53.50dBm

RL 20.00dBm 97.9MHZ

10dB/



DISPLAY LINE
-9.7 dBm

D

START 30.0MHZ STOP 1.0000GHZ
 *RBW 100KHZ *VBW 300KHZ SWP 250MS

ANTENNA PORT CONDUCTED

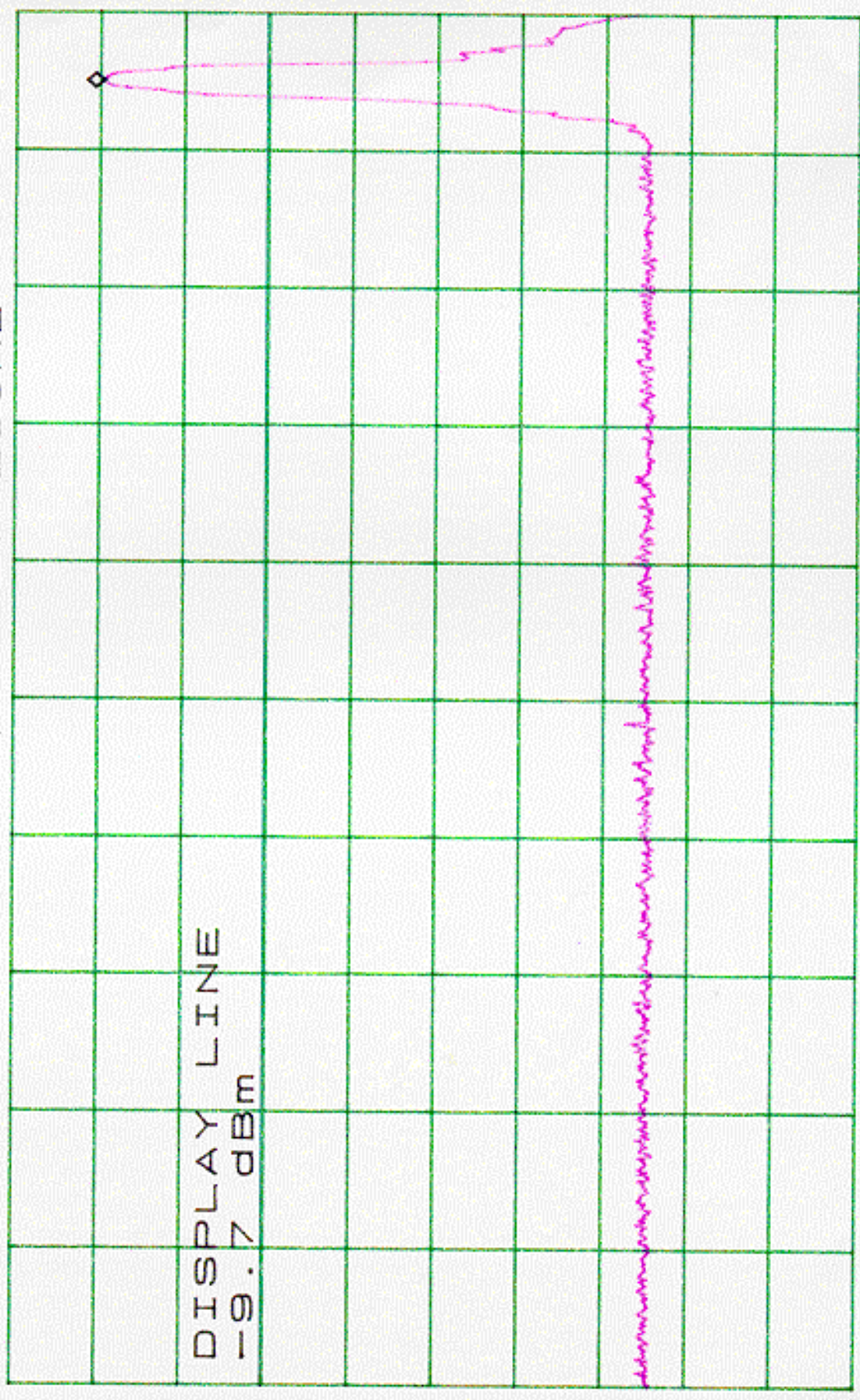
LOWER CHANNEL

ATTEN 30dB
RL 20.0dBm

MKR 9.67dBm
2.425GHZ

10dB/

DISPLAY LINE
-9.7 dBm



D

START 1.000GHZ STOP 2.500GHZ
*RBW 100KHZ *VBW 300KHZ SWP 380ms

ANTENNA PORT CONNECTED

LOWER CHANNEL

ATTEN 30dB

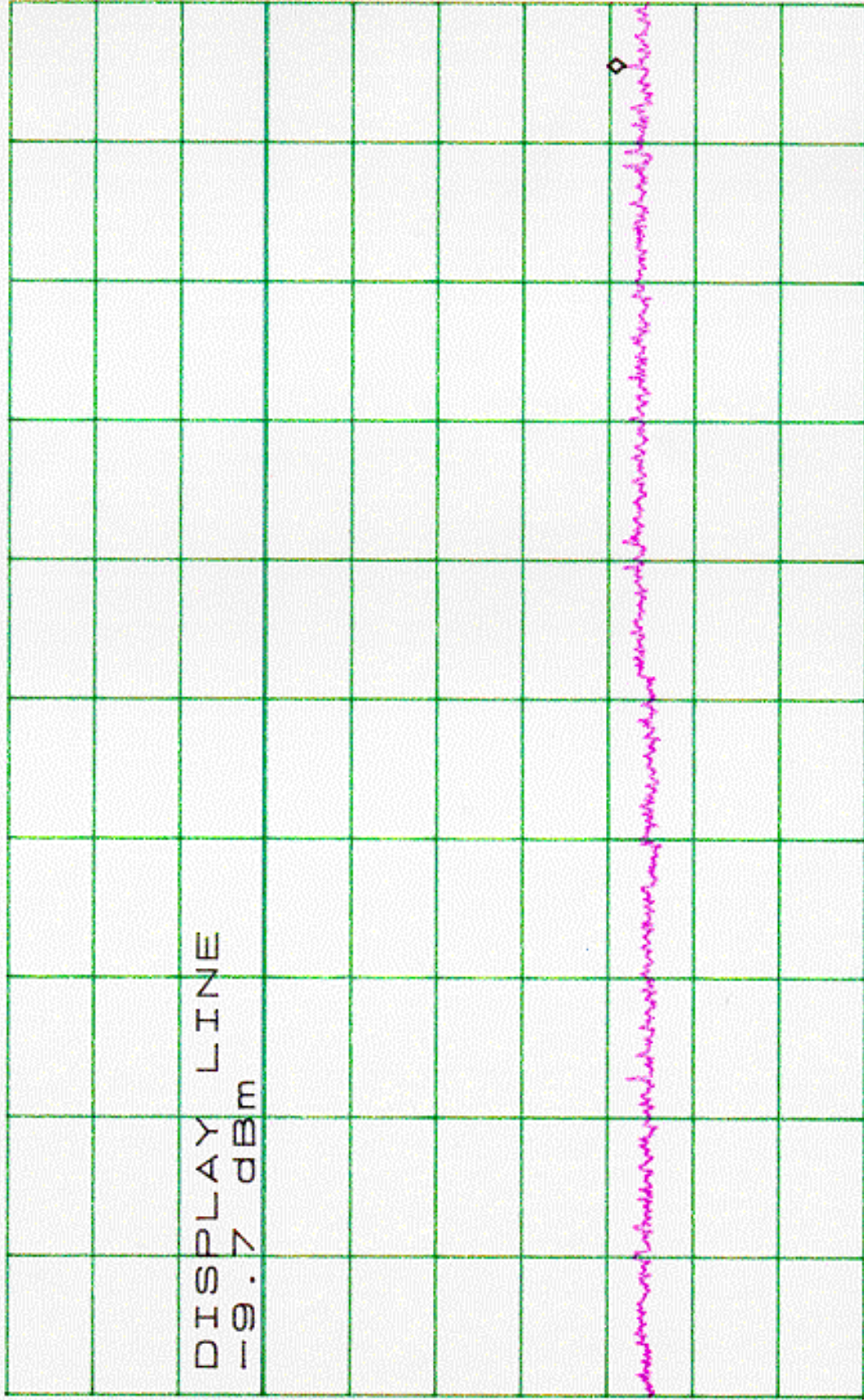
MKR -51.67dBm

RL 20.0dBm

9.667GHz

10dB/

DISPLAY LINE
-9.7 dBm



D

START 2.600GHz

STOP 10.000GHz

*RBW 100kHz

*VBW 300kHz

SWP 1.90sec

ANTENNA PORT CONDUCTED

LOWER CHANNEL

2425 MHz

ATTEN 30dB

MKR -48.83dBm

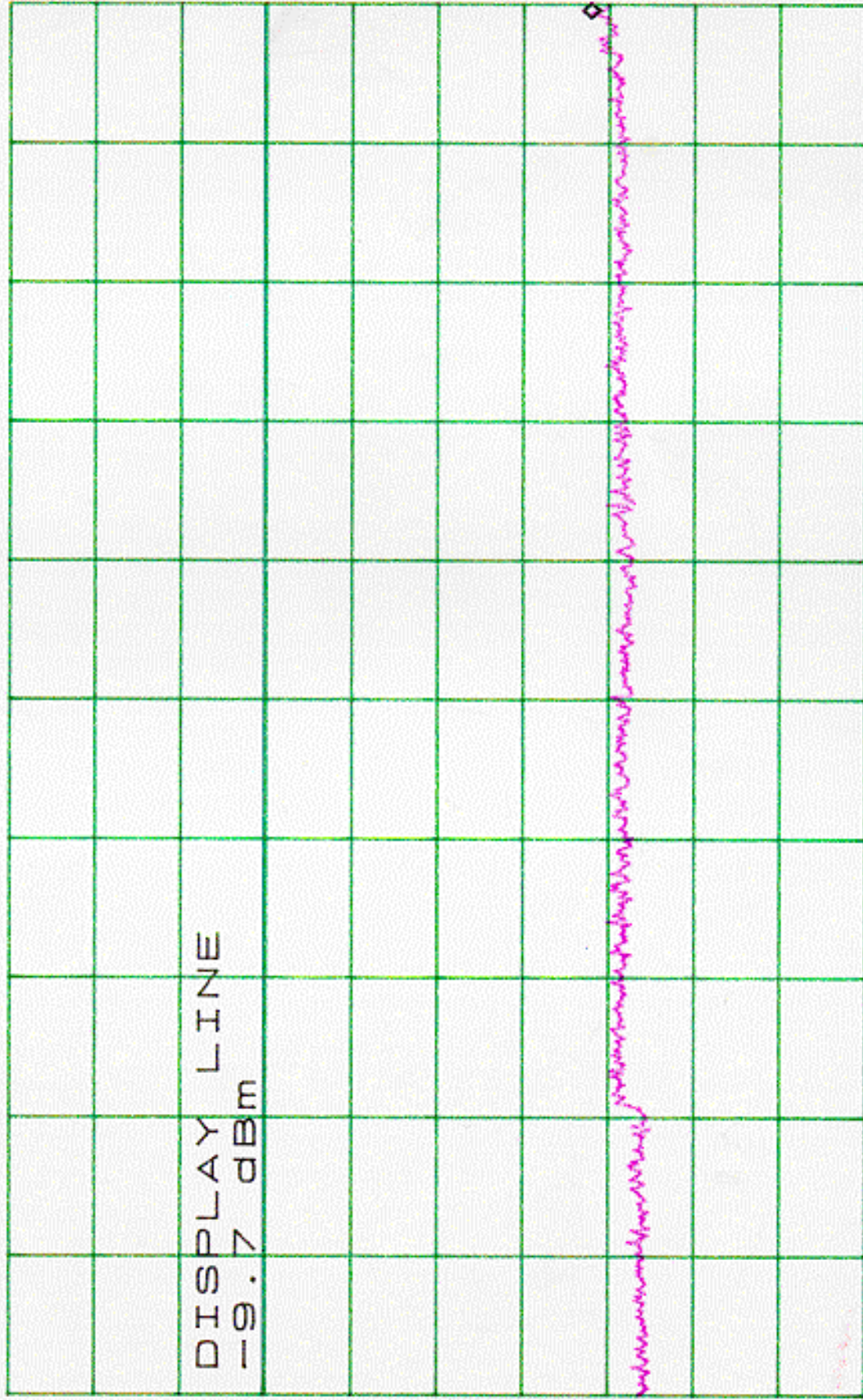
RL 20.0dBm

24.93GHz

10dB/

DISPLAY LINE
-9.7 dBm

D



START 10.00GHz

STOP 25.00GHz

*RBW 100kHz

*VBW 300kHz

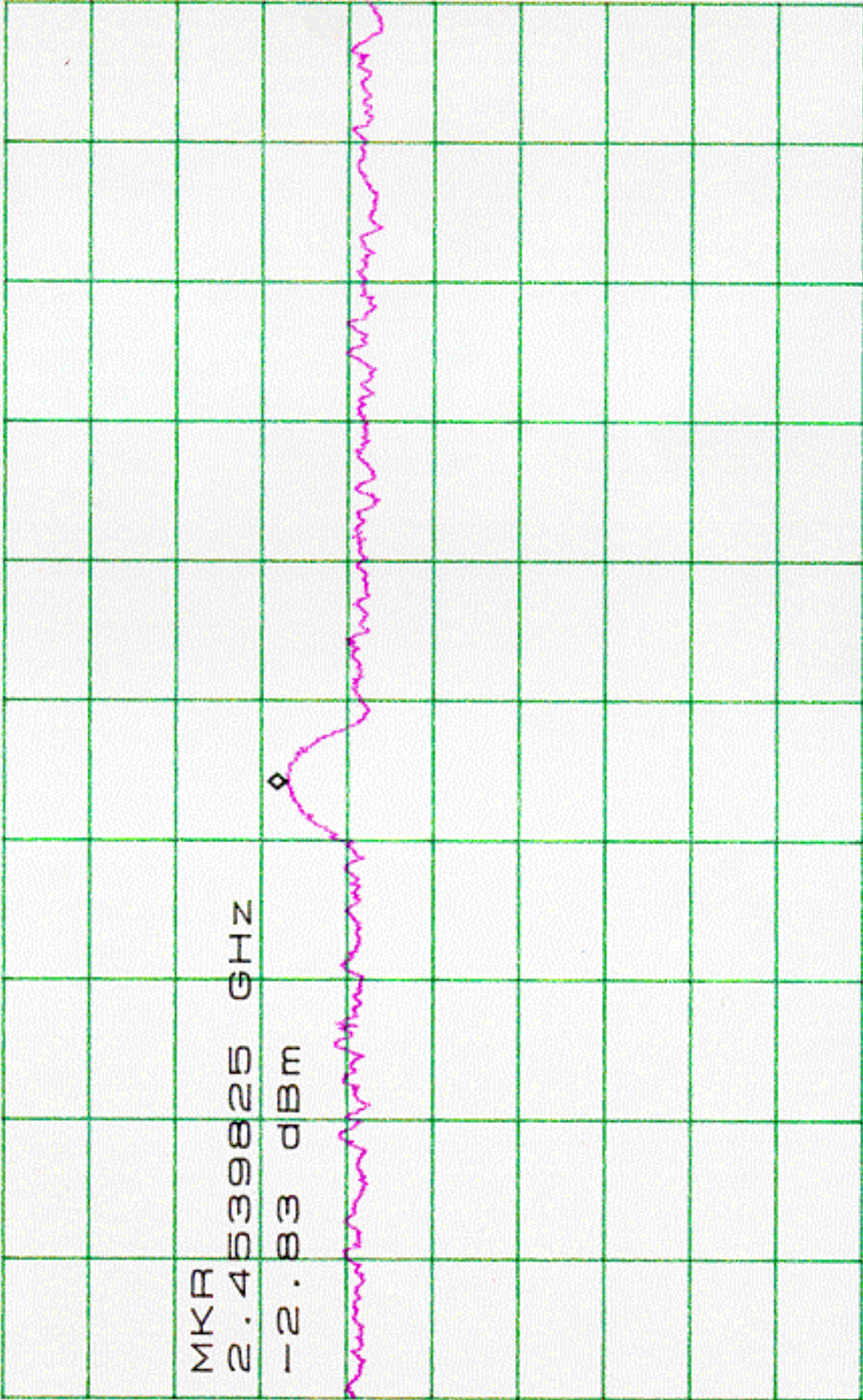
SWP 3.80sec

OUTPUT SPECTRAL DENSITY

High Channel
2455 MHz

ATTEN 40dB
RL 30.0dBm

MKR -2.83dBm
2.4539825GHZ



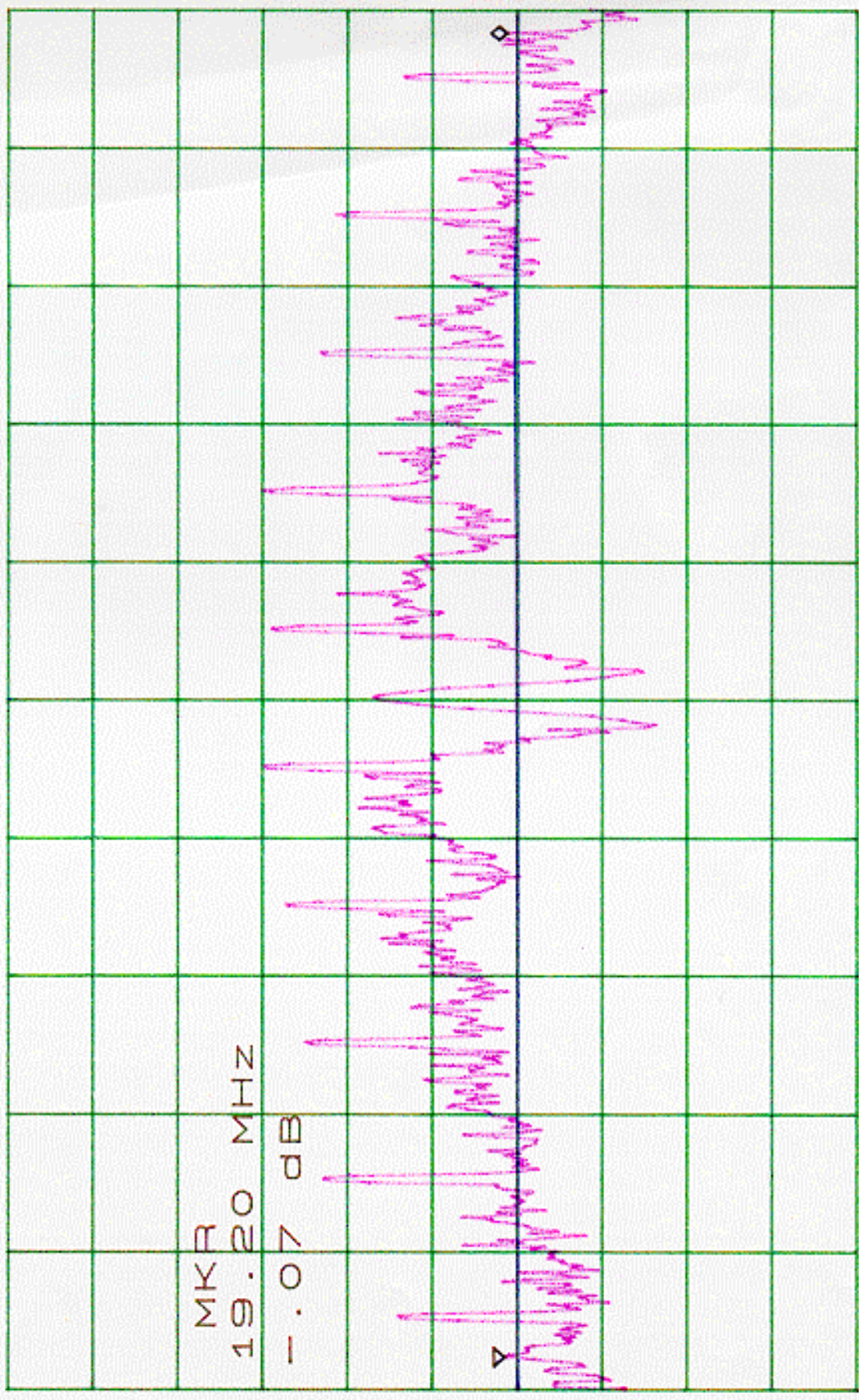
CENTER 2.4540000GHZ
RBW 3.0KHZ
SPAN 300.0KHZ
VBW 3.0KHZ
*SWP 100sec

High Channel

6 dB BANDWIDTH

ATTEN 30dB
RL 16.0dBm
MKR 19.20MHz

2dB/
19.20 MHz
-0.7 dB



CENTER 2.45500GHz
*RBW 100kHz *VBW 100kHz
SPAN 20.00MHz SWP 50.0ms

ANTENNA PORT CONNECTED

HIGH CHANNEL

ATTEN 30dB

MKR -53.67dBm

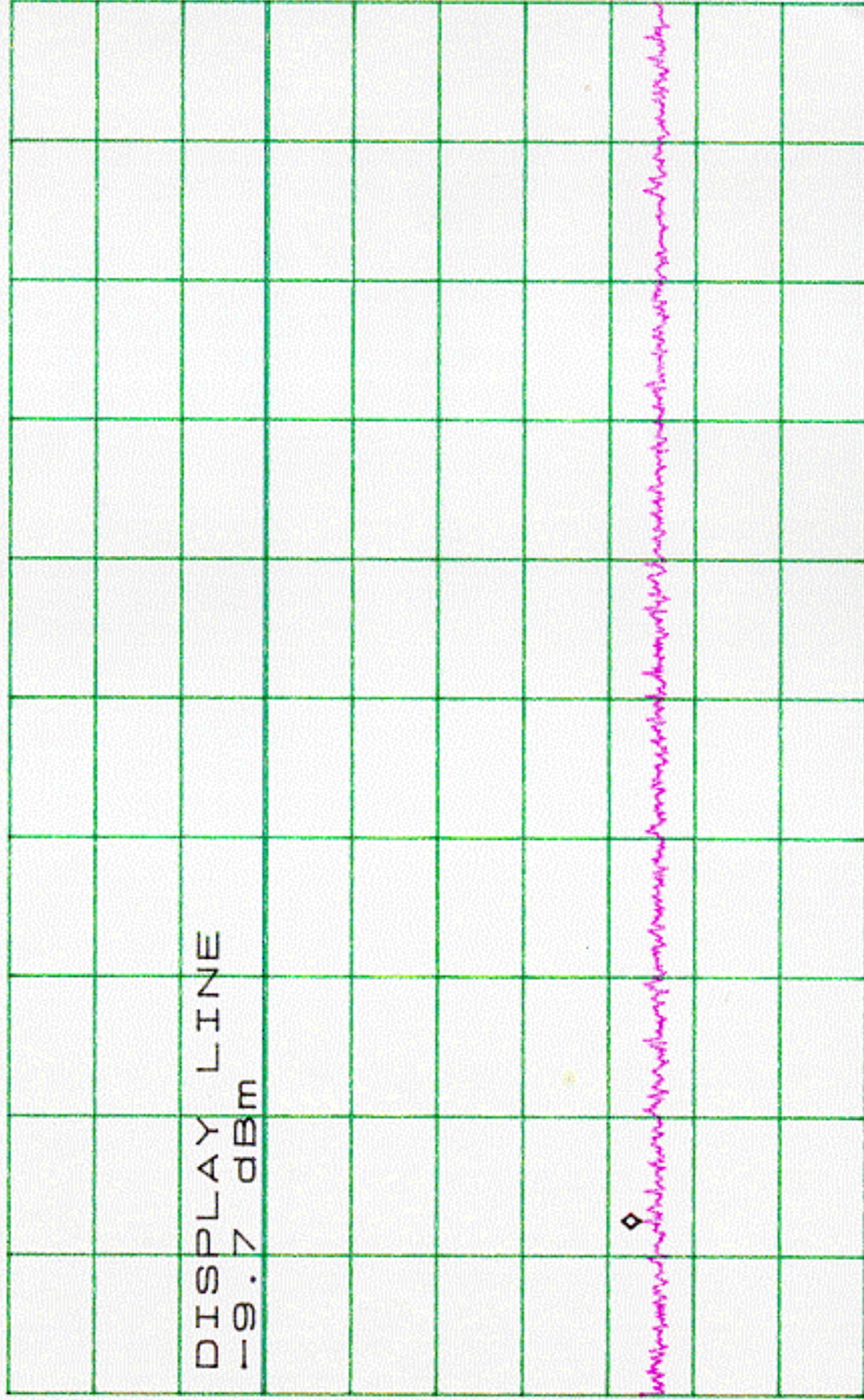
RL 20.0dBm

151.3MHZ

10dB/

DISPLAY LINE
-9.7 dBm

D



START 30.0MHZ

STOP 1.0000GHZ

*RBW 100KHZ

*VBW 300KHZ

SWP 250MS

ANTENNA PORT CONNECTED

High Channel

ATTEN 30dB

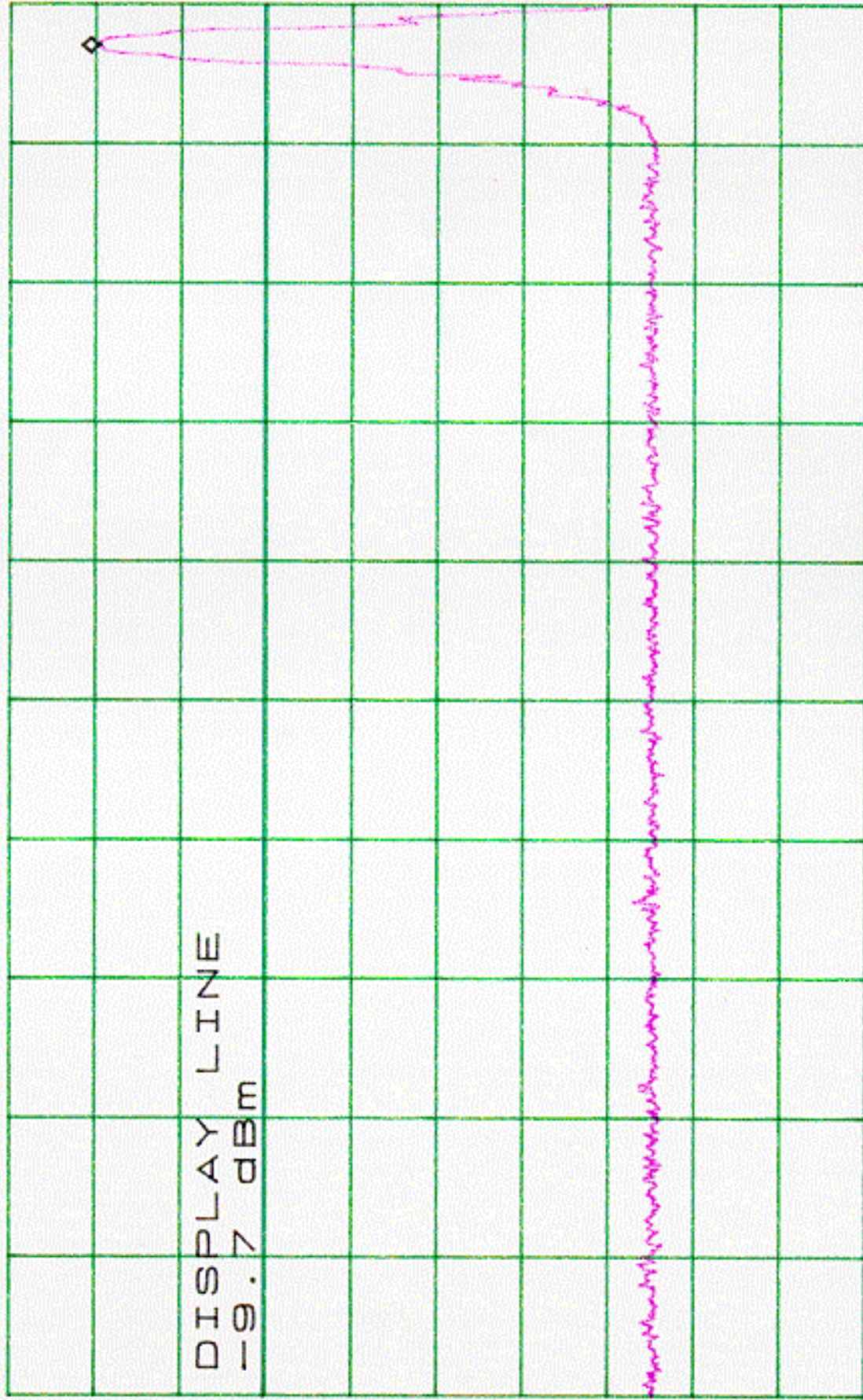
MKR 9.67dBm

RL 20.0dBm

2.455GHZ

10dB/

DISPLAY LINE
-9.7 dBm



D

START 1.000GHZ

STOP 2.500GHZ

*RBW 100KHZ

*VBW 300KHZ

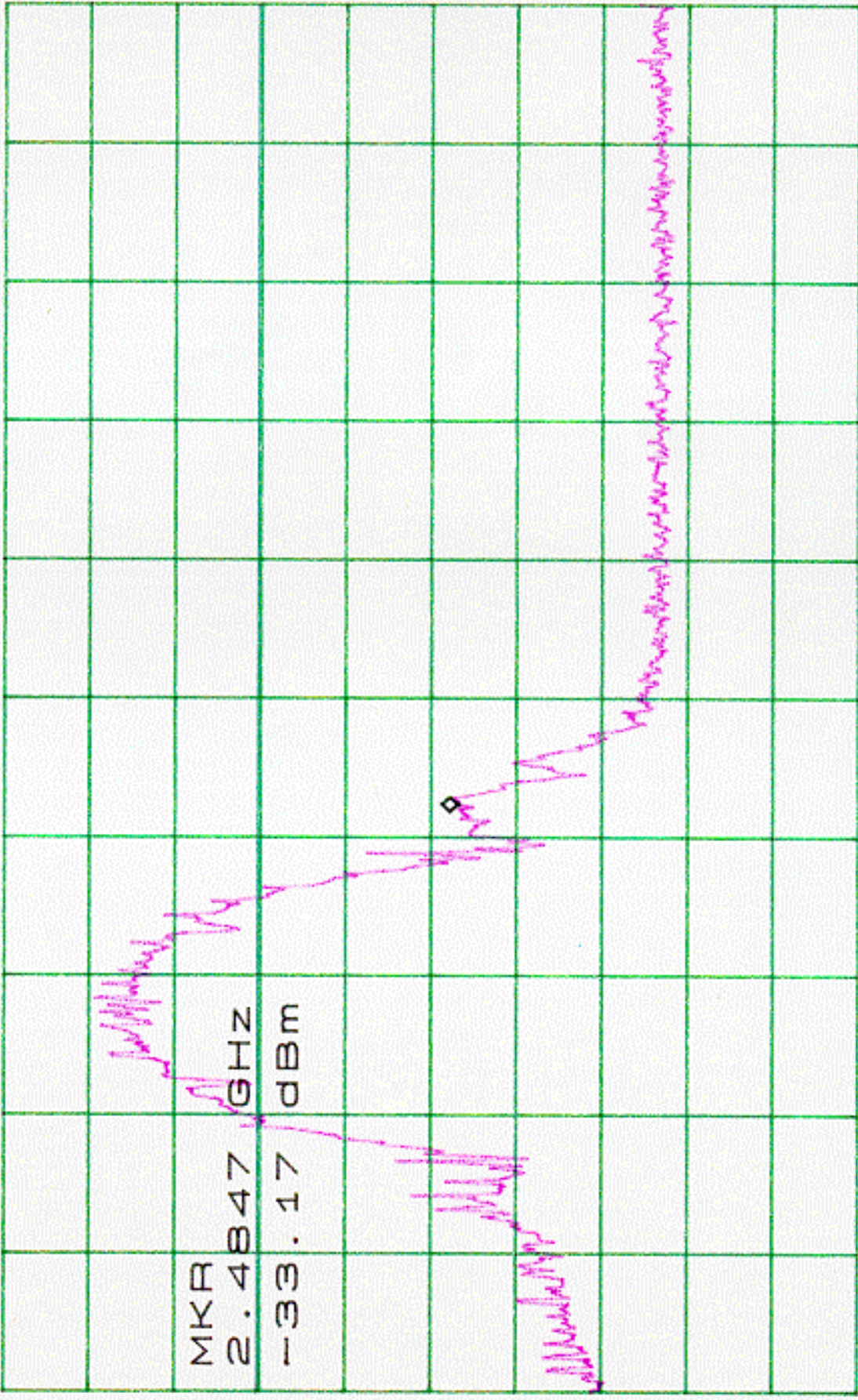
SWP 380ms

ANTENNA PORT CONDUCTED

High channel

ATTEN 30dB
RL 20.0dBm

MKR -33.17dBm
2.4847GHZ



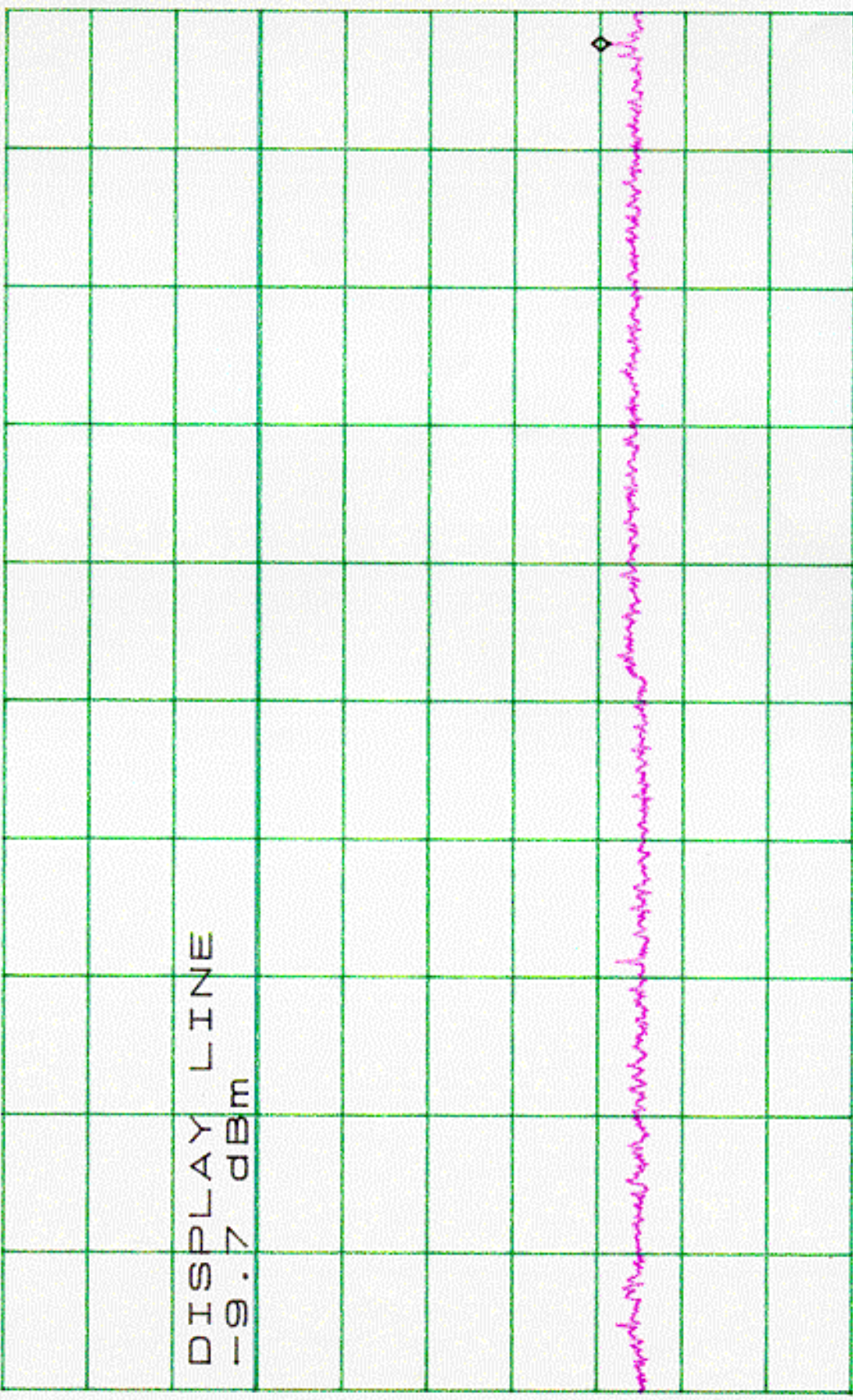
D

START 2.4000GHZ STOP 2.6000GHZ
*RBW 100KHZ *VBW 300KHZ SWP 50.0ms

ANTENNA PORT CONDUCTED

High Channel

ATTEN 30dB MKR -51.00dBm
RL 20.00dBm 9.827GHz
10dB/



DISPLAY LINE
-9.7 dBm

D

START 2.600GHz STOP 10.000GHz
*RBW 100kHz *VBW 300kHz SWP 1.90sec

ANTENNA PORT CONNECTED

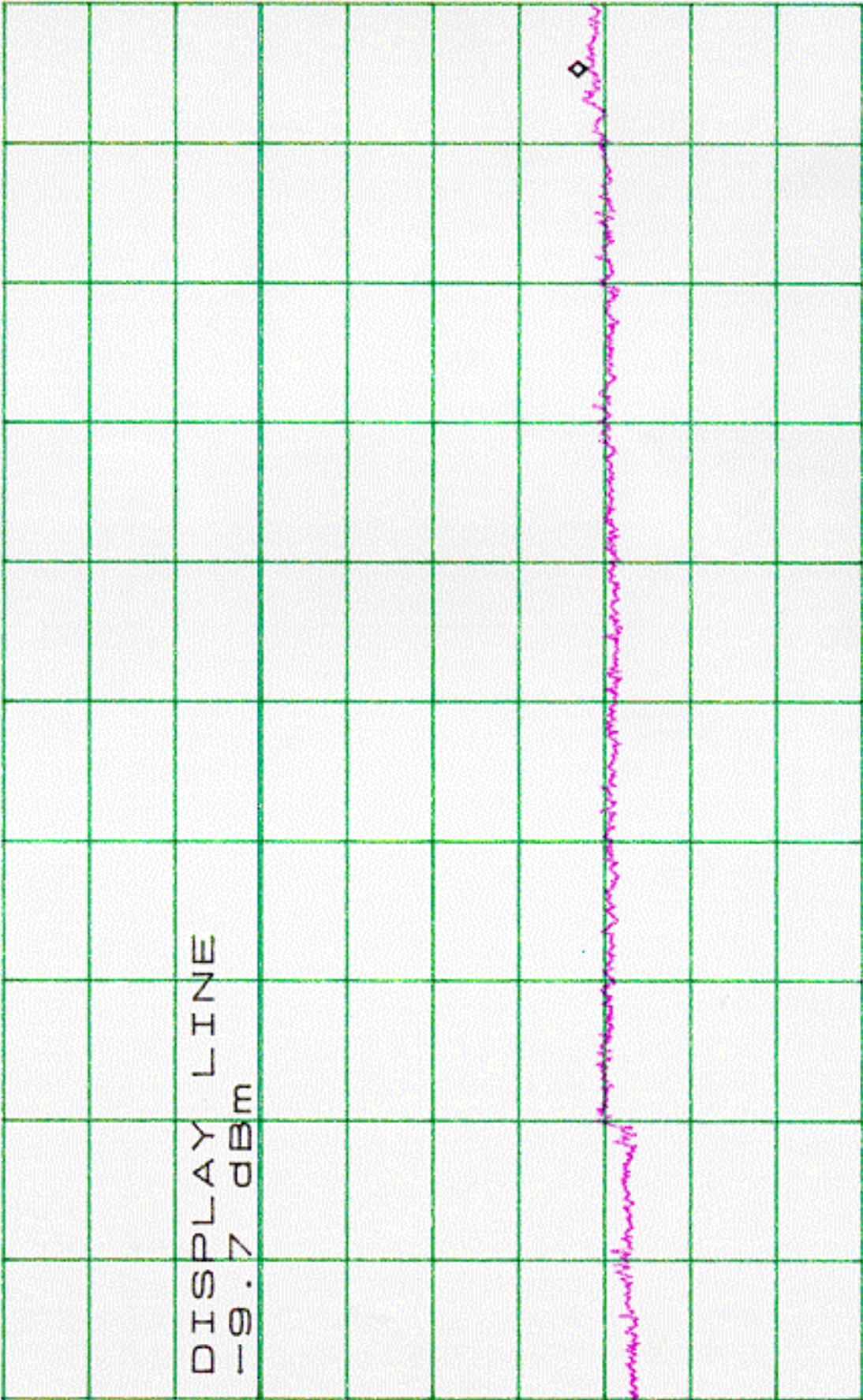
High Channel

ATTEN 30dB
RL 20.0dBm

MKR -47.83dBm
25.25GHZ

10dB/

DISPLAY LINE
-9.7 dBm



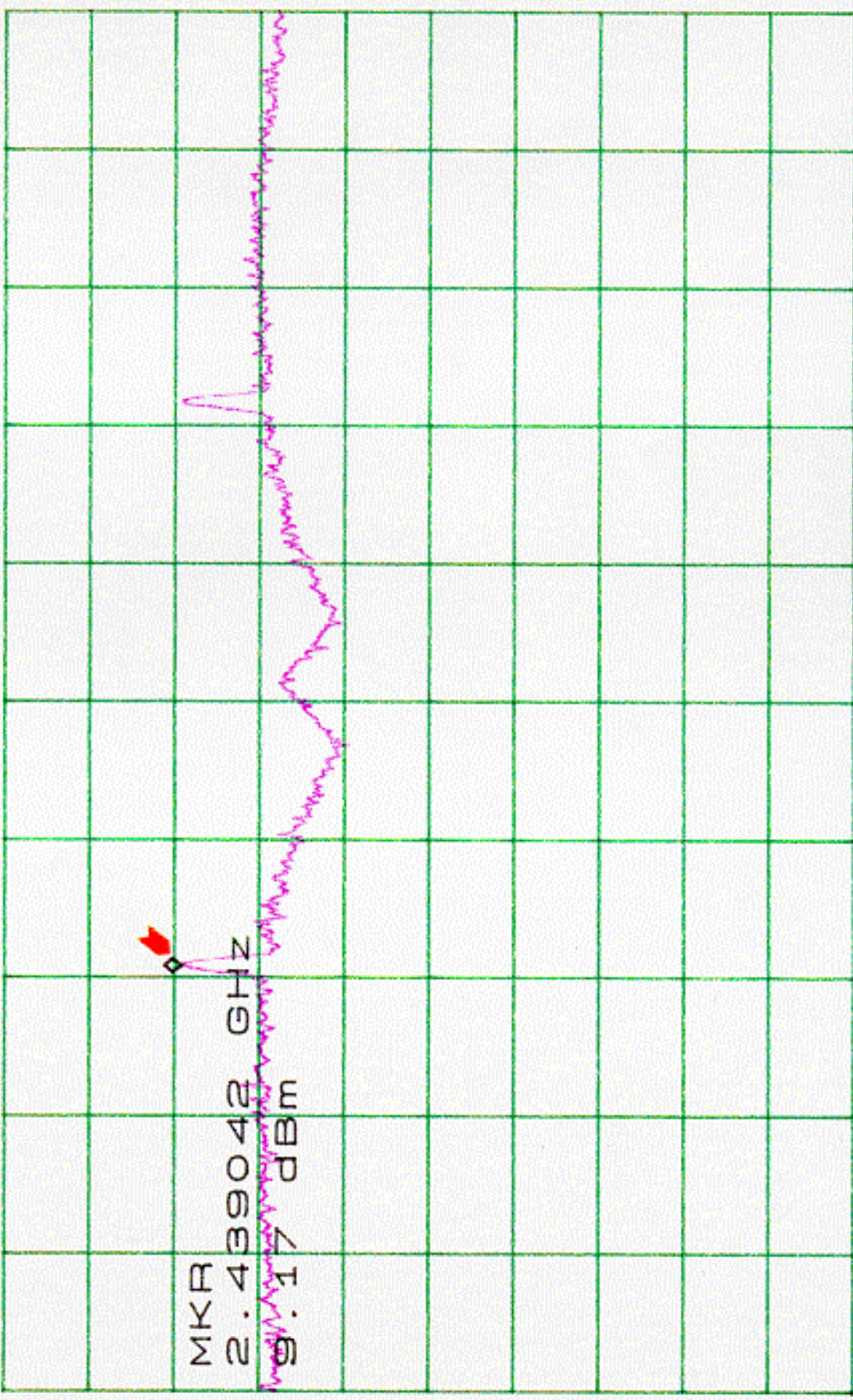
D

START 10.00GHZ STOP 26.00GHZ
*RBW 100KHZ *VBW 300KHZ SWP 4.00sec

Peak for Power Density
(supplement for following plot)
MIDDLE CHANNEL
2446 MHz

ATTEN 40dB
RL 30.0dBm

MKR 9.17dBm
2.439042GHz



CENTER 2.440000GHZ
RBW 30KHZ
SPAN 5.000MHZ
VBW 30KHZ
SWP 50.0ms

OUTPUT SPECTRAL DENSITY

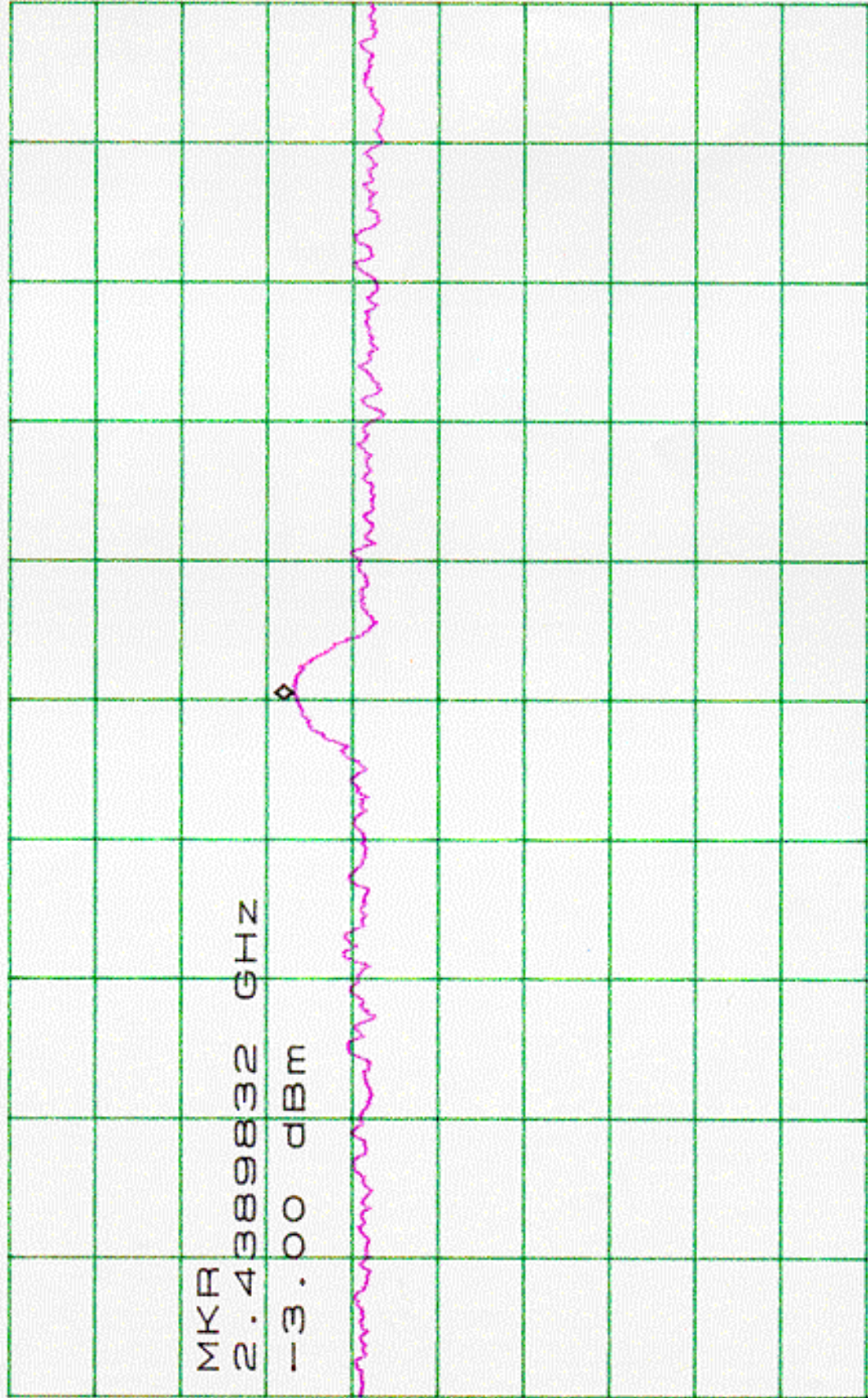
MIDDLE CHANNEL
2440 MHz

ATTEN 40dB

RL 30.00dBm

MKR -3.00dBm

2.4389832GHZ



MKR

2.4389832 GHZ

-3.00 dBm

10dB/

CENTER 2.4389817GHZ SPAN 300.0KHZ
RBW 3.0KHZ VBW 3.0KHZ *SWP 100sec

D

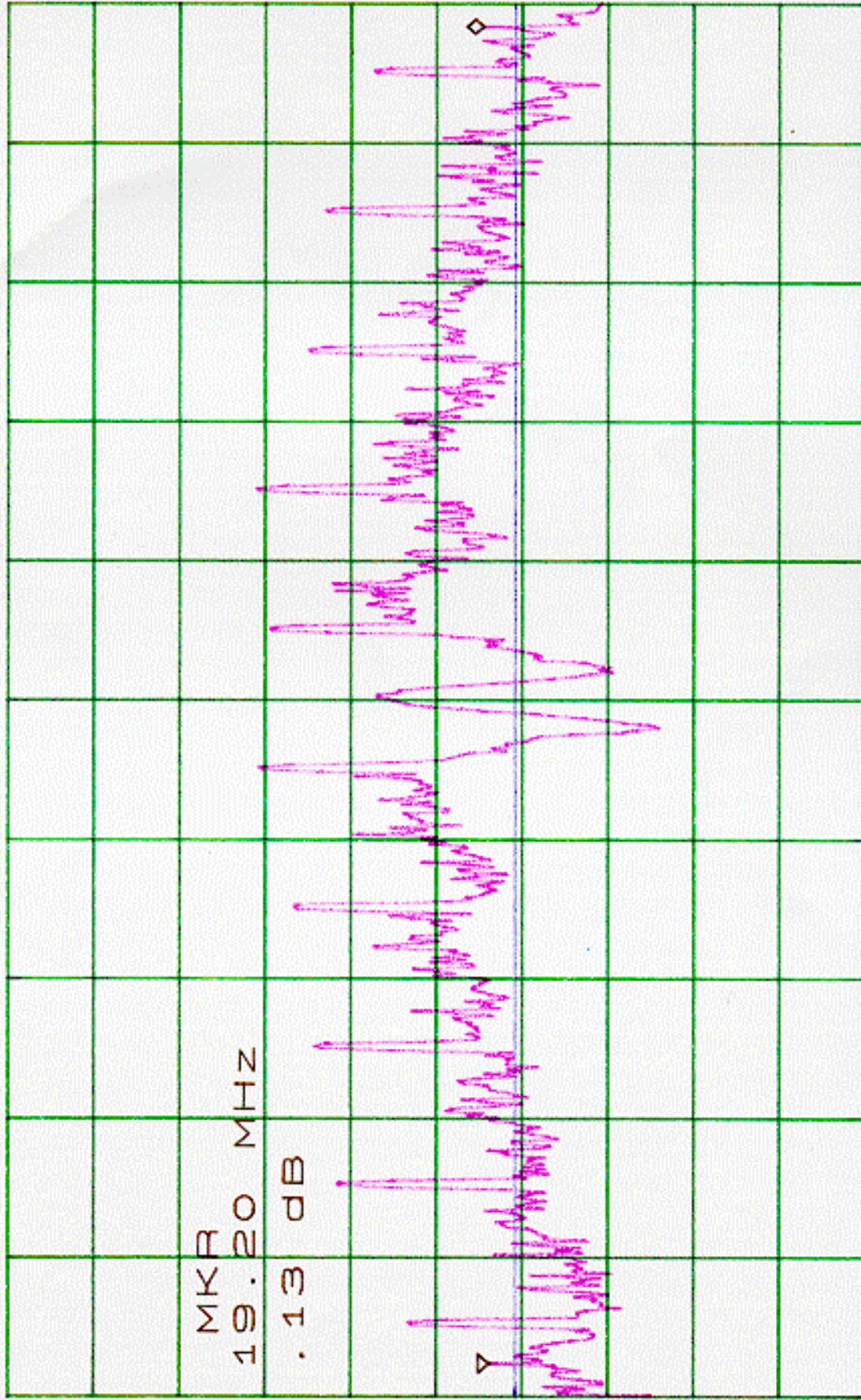
6 dB BANDWIDTH

MIDDLE CHANNEL

ATTEN 30dB
RL 16.0dBm

MKR .13dB
19.20MHZ

2dB/



MKR
19.20 MHz

.13 dB

D

CENTER 2.44000GHZ

SPAN 20.00MHZ

*RBW 100KHZ

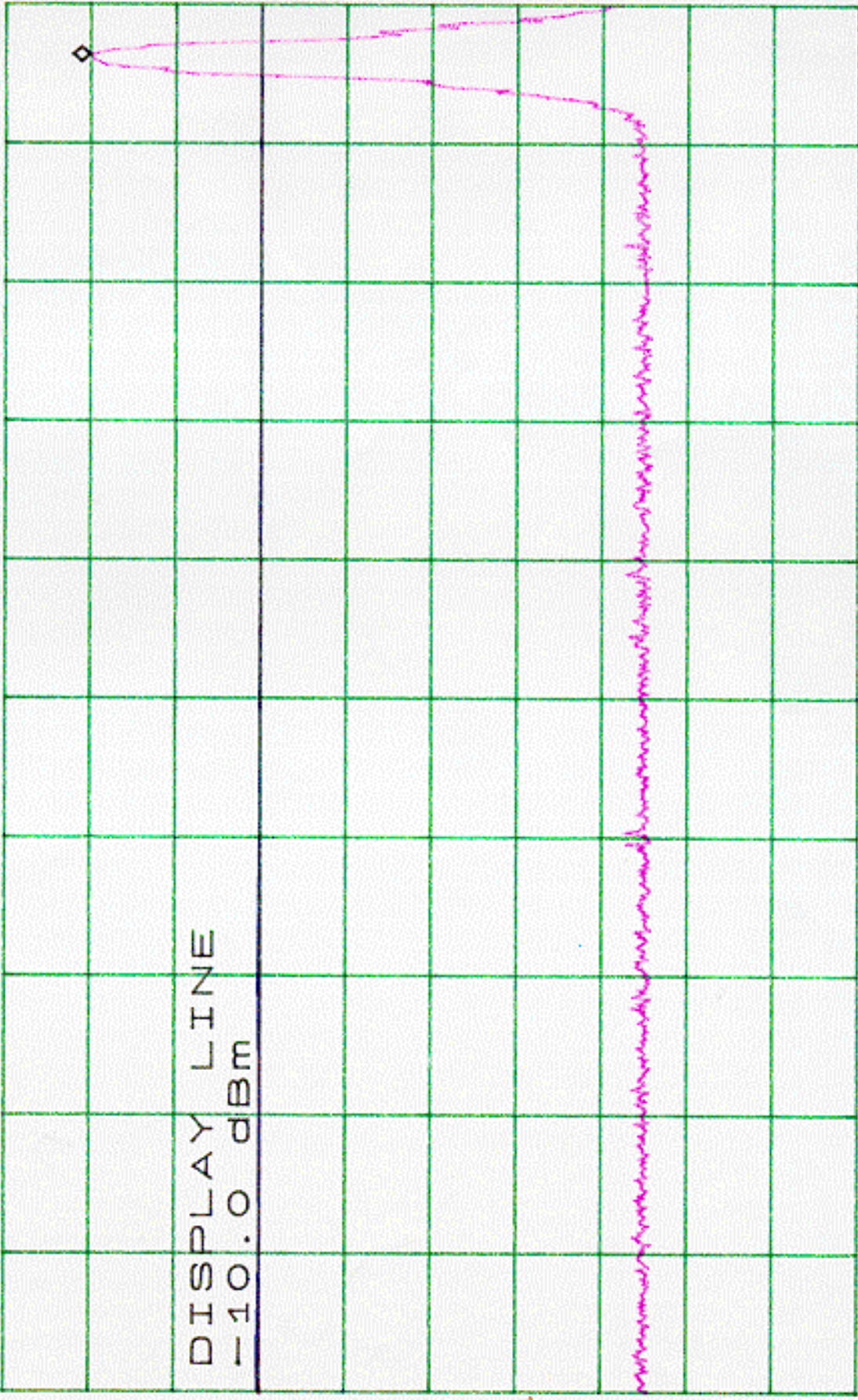
*VBW 100KHZ

SWP 50.0ms

ANTENNA PORT CONDUCTED

MIDDLE CHANNEL
2440 MHz

ATTEN 30dB MKR 10.17dBm
RL 20.0dBm 2.445GHz
10dB/



DISPLAY LINE
-10.0 dBm

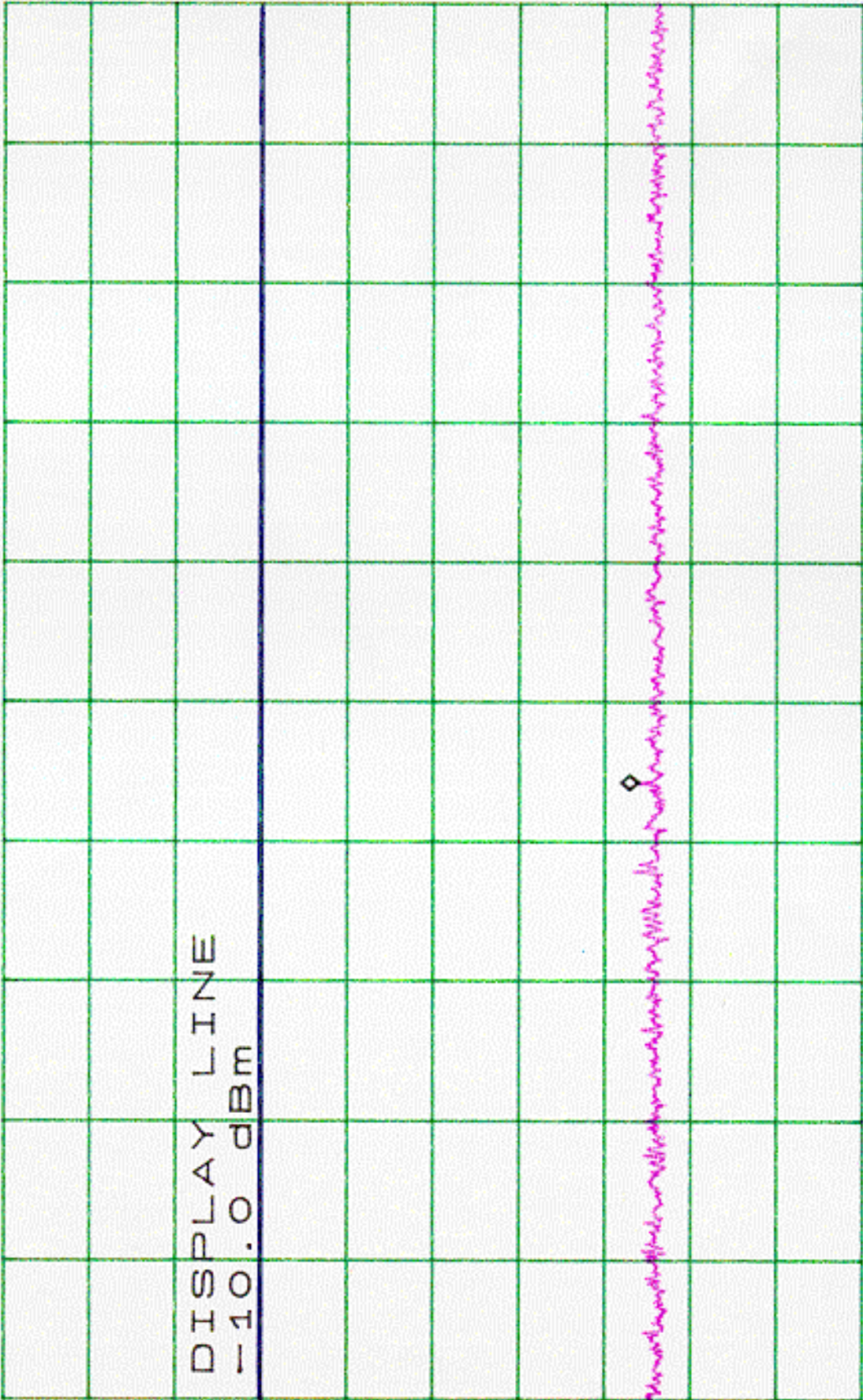
D

START 1.000GHz STOP 2.500GHz
*RBW 100kHz *VBW 300kHz SWP 380ms

ANTENNA PORT CONDUCTED

MIDDLE CHANNEL

ATTEN 30dB
RL 20.0dBm
MKR -53.83dBm
458.4MHz
10dB/



D

START 30.0MHz
*RBW 100kHz *VBW 300kHz
STOP 1.0000GHz
SWP 250ms

ANTENNA PORT CONDUCTED

MIDDLE CHANNEL

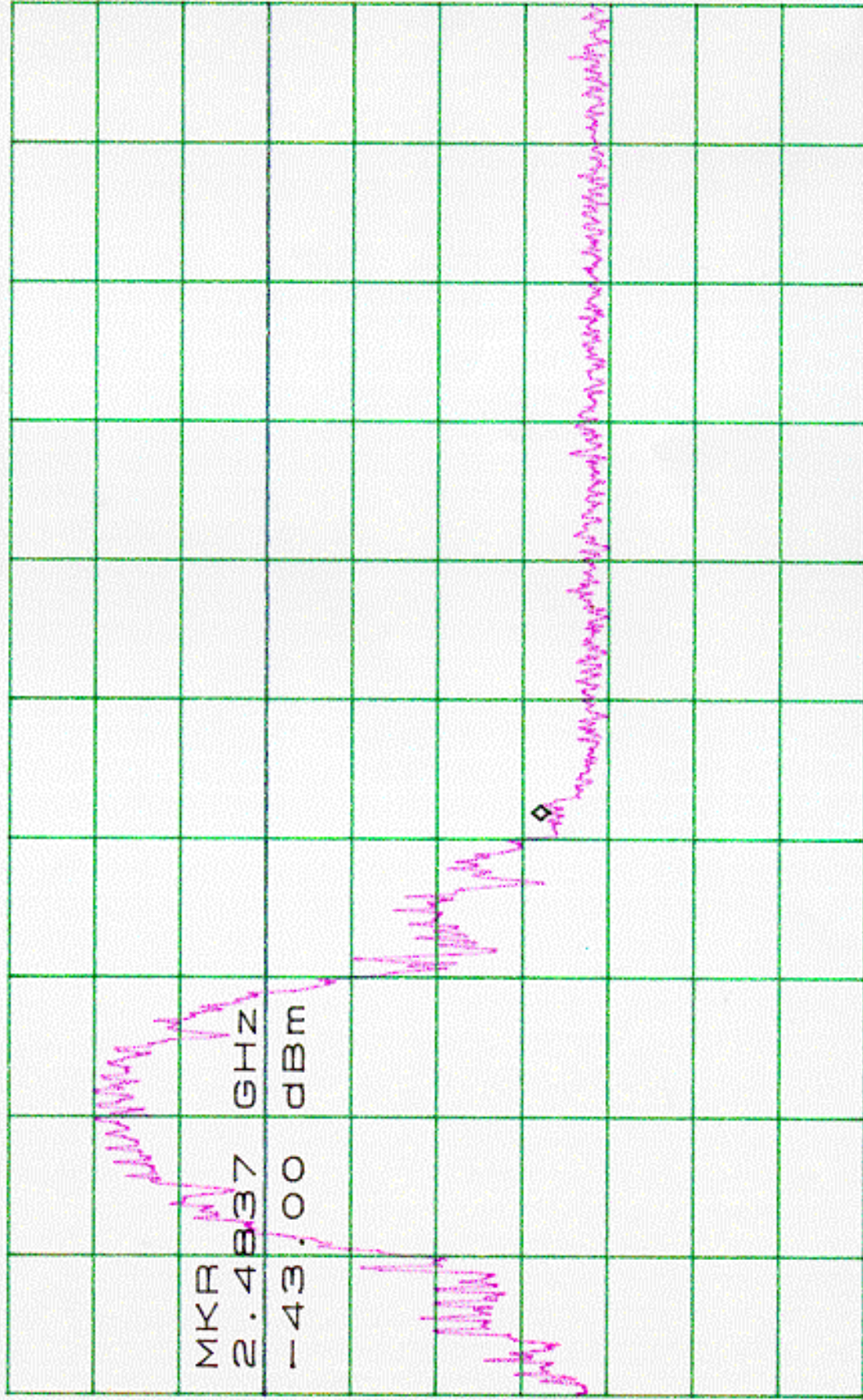
ATTEN 30dB

MKR -43.00dBm

RL 20.00dBm

2.4837GHZ

10dB/



D

START 2.4000GHZ

STOP 2.6000GHZ

*RBW 100KHZ

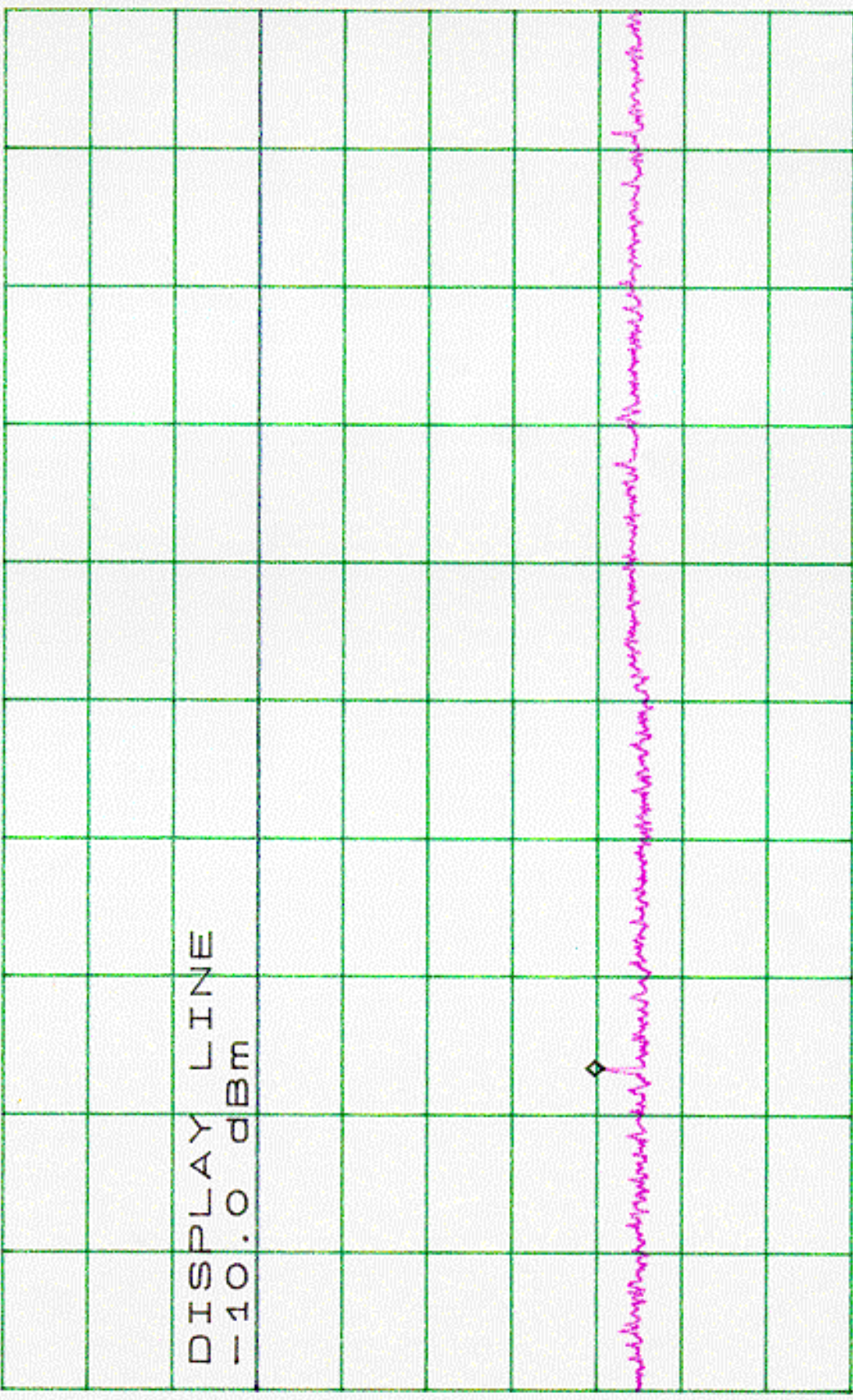
*VBW 300KHZ

SWP 50.0ms

ANTENNA PART CONDUCTED

MIDDLE CHANNEL

ATTEN 30dB MKR -50.67dBm
RL 20.0dBm 4.327GHz
10dB/



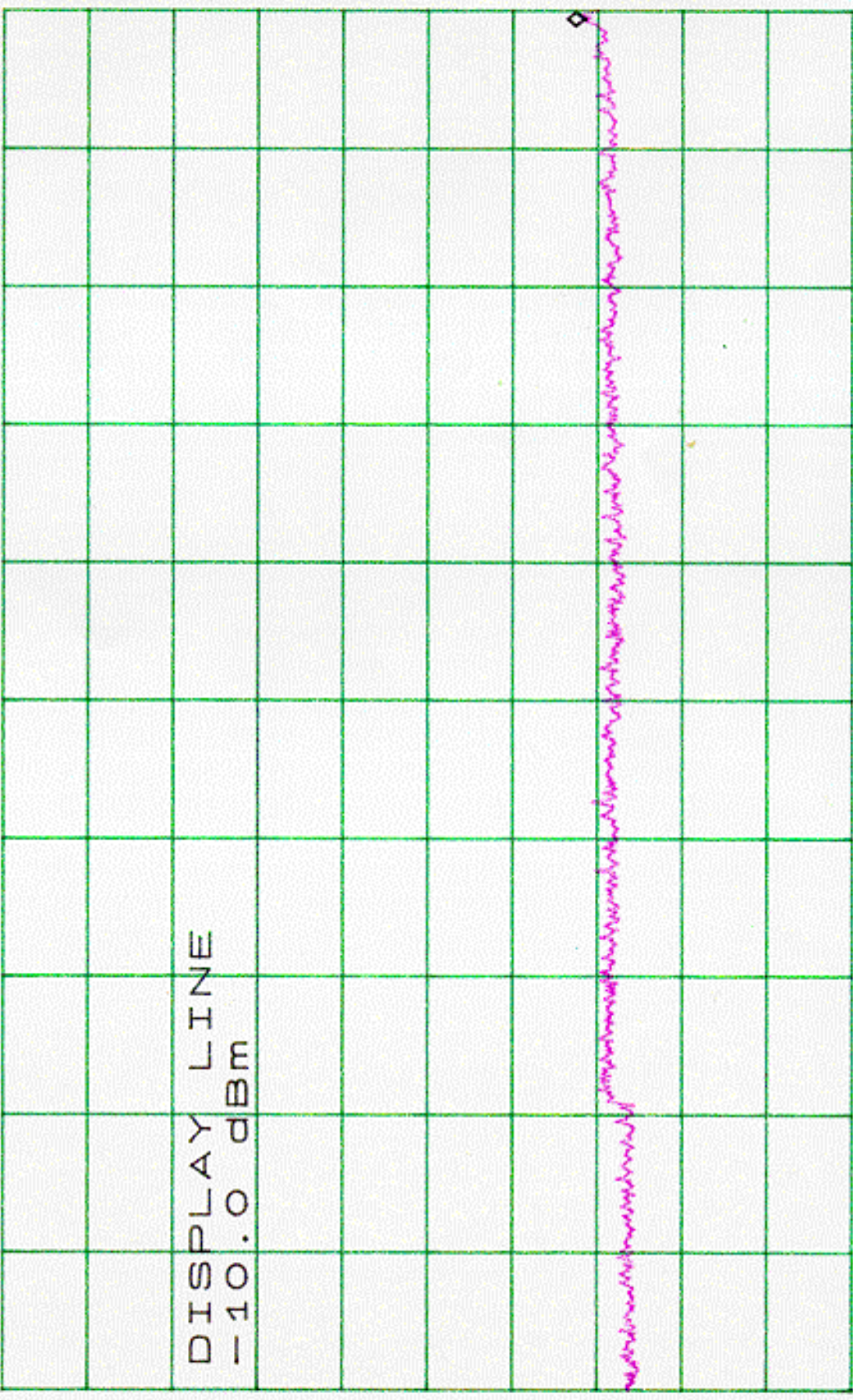
D

START 2.600GHz STOP 10.000GHz
*RBW 100kHz *VBW 300kHz SWP 1.90sec

ANTENNA PORT CONDUCTED

MIDDLE CHANNEL

ATTEN 30dB MKR -48.33dBm
RL 20.0dBm 24.90GHZ
10dB/



D

START 10.00GHZ STOP 25.00GHZ
*RBW 100KHZ *VBW 300KHZ SWP 3.80sec