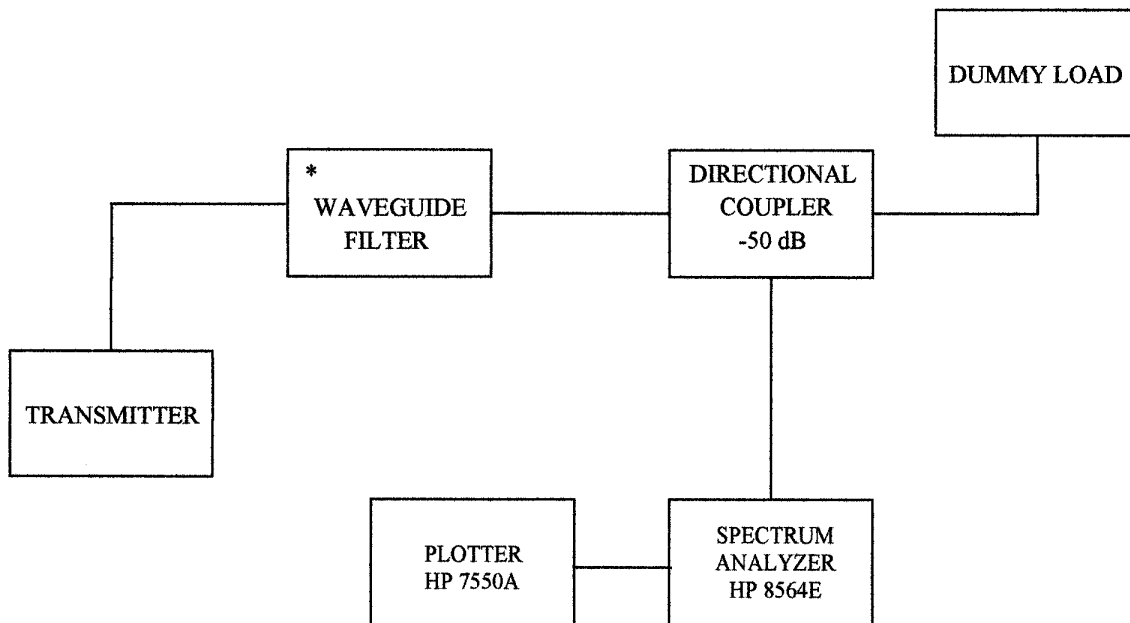


TEST SETUP FOR SPECTRUM AND EMISSION MEASUREMENTS DATA MEASURED AT 5600 MHz



Spurious measurements data taken from transmitter directional coupler.

$$\begin{aligned}
 \text{Required emissions below carrier} &= 43 + 10 \log (P_m) = \\
 &= 43 + 10 \log(355) = \\
 &= 43 + 25.5 = 68.5 \text{ dB below carrier.}
 \end{aligned}$$

Note that from 0 Hz to 40 Ghz no spurious signals shown are greater than approximately -70 dBc.

* WAVEGUIDE FILTER INCLUDED IN TEST SETUP IS NORMALLY LOCATED IN THE WAVEGUIDE ASSEMBLY AT THE EQUIPMENT RACK. CENTER FREQUENCY IS 5600 MHz.

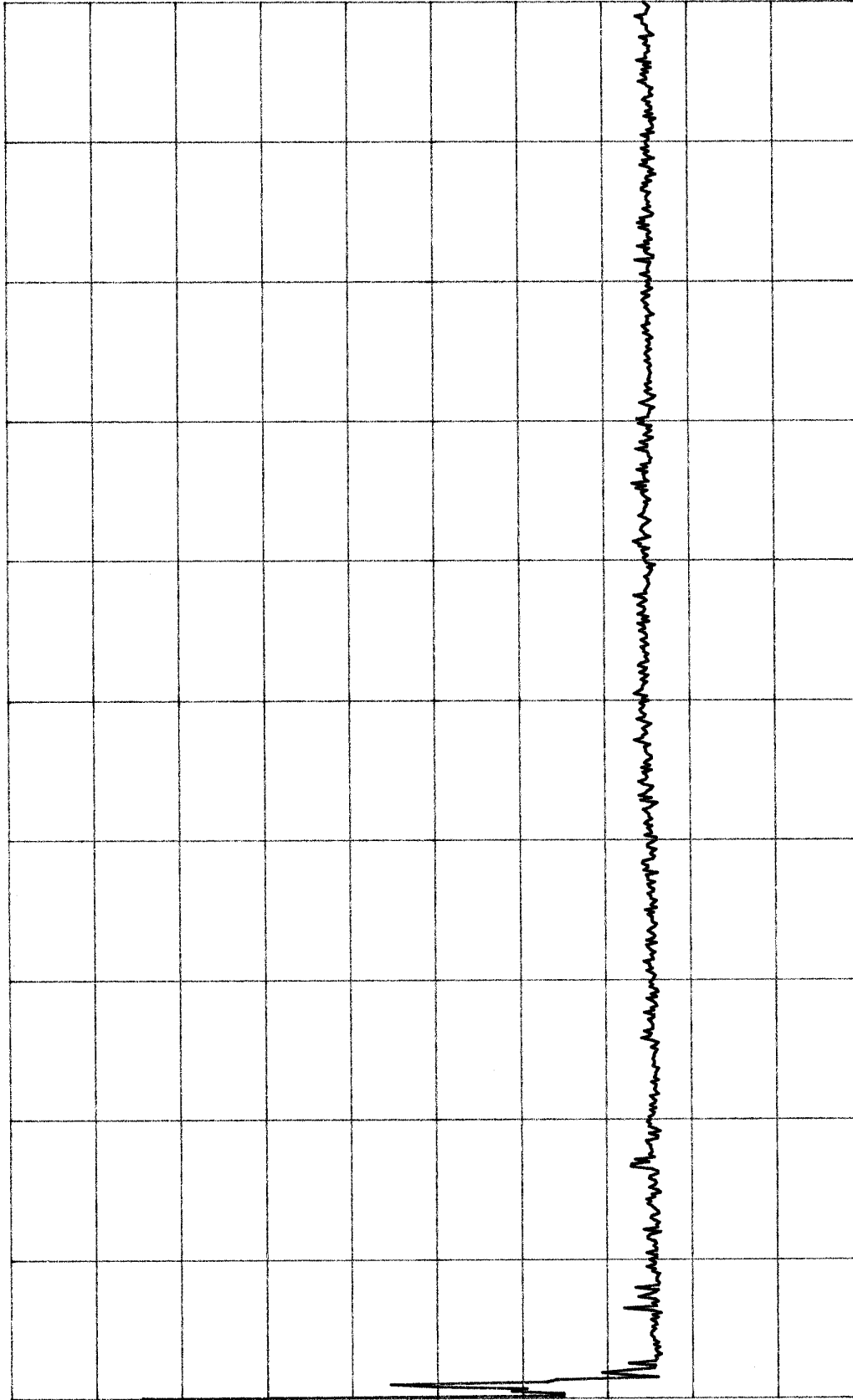
SIZE	CODE IDENT NO.	DRAWING NO.
A		SK1874-09



ATTEN 10dB

RL 0dBm

10dB/

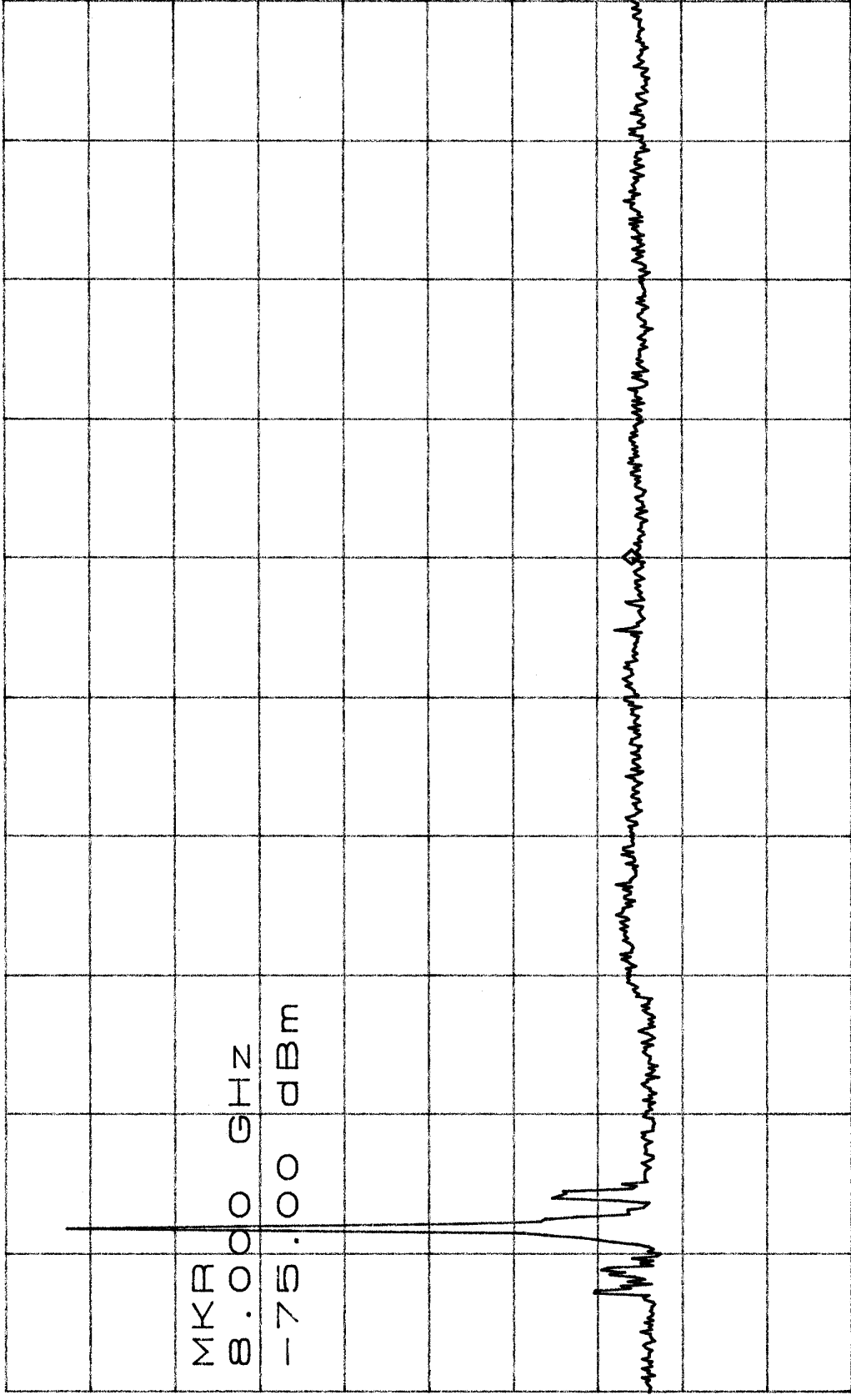


D

START 0HZ STOP 5.000GHZ
 *RBW 100KHZ *VBW 100KHZ *SWP 10.0sec



ATTEN 10dB MKR -75.00dBm
 RL 0dBm 8.000GHZ

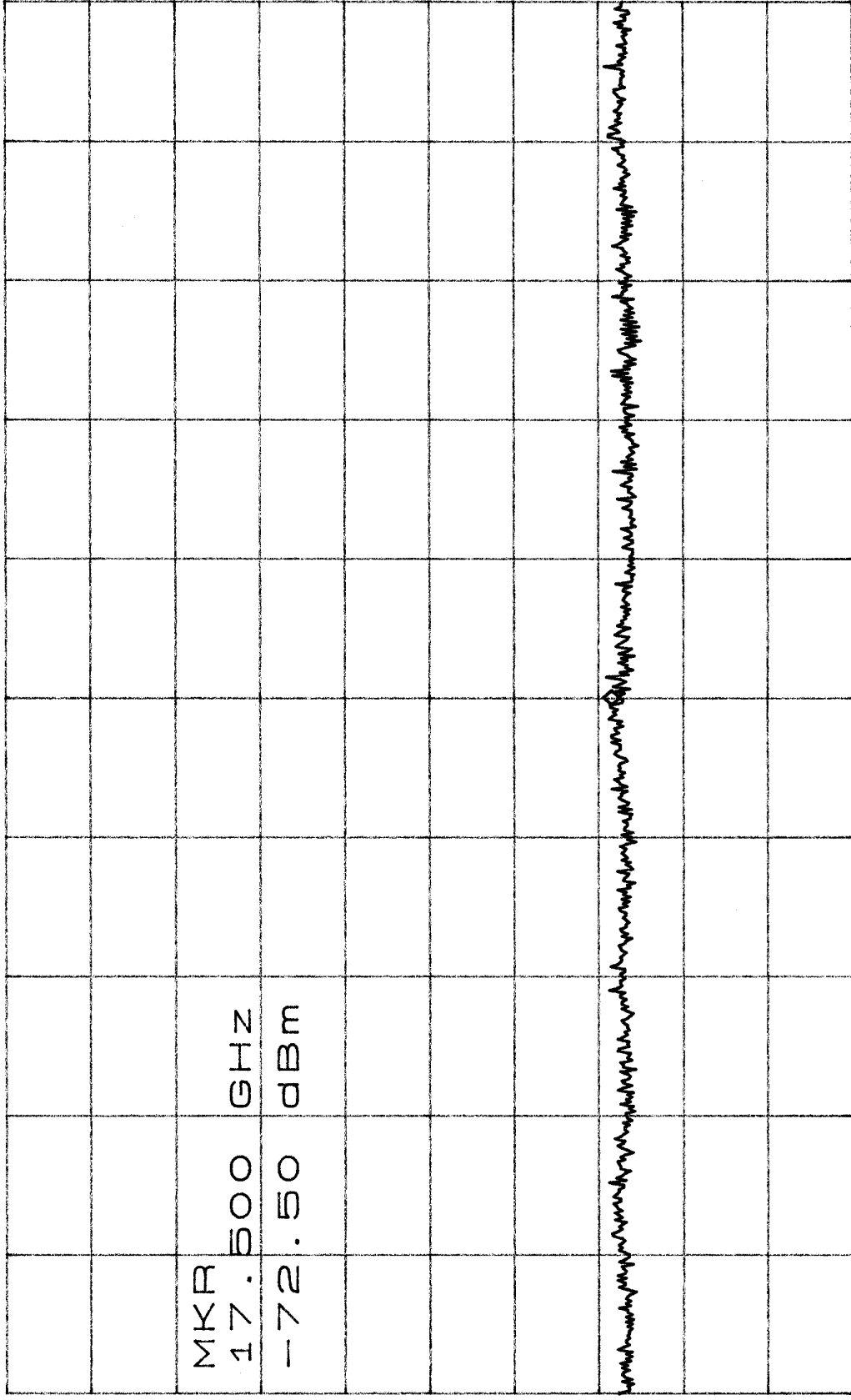


D

START 5.000GHZ STOP 10.000GHZ
 *RBW 100KHZ *VBW 100KHZ *SWP 10.0sec



ATTEN 10dB MKR -72.50dBm
 RL 0dBm 10dB/ 17.500GHZ



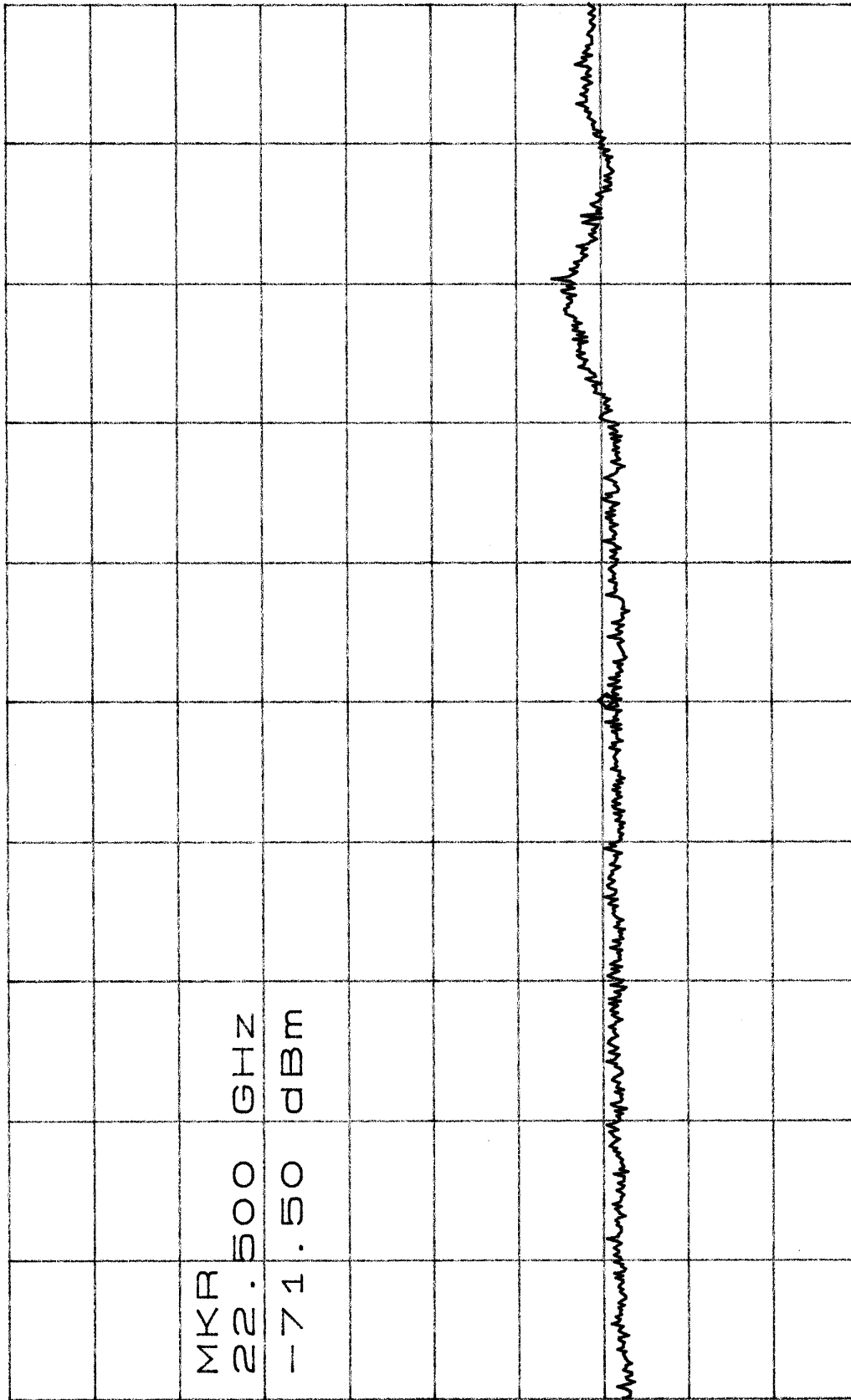
MKR
 17.500 GHZ
 -72.50 dBm

D

START 15.000GHZ STOP 20.000GHZ
 *RBW 100KHZ *VBW 100KHZ *SWP 10.0sec



ATTN 10dB MKR -71.50dBm
 RL 0dBm 10dB/ 22.500GHZ



MKR
 22.500 GHZ
 -71.50 dBm

D

START 20.000GHZ STOP 25.000GHZ
 *RBW 100KHZ *VBW 100KHZ *SWP 10.0sec

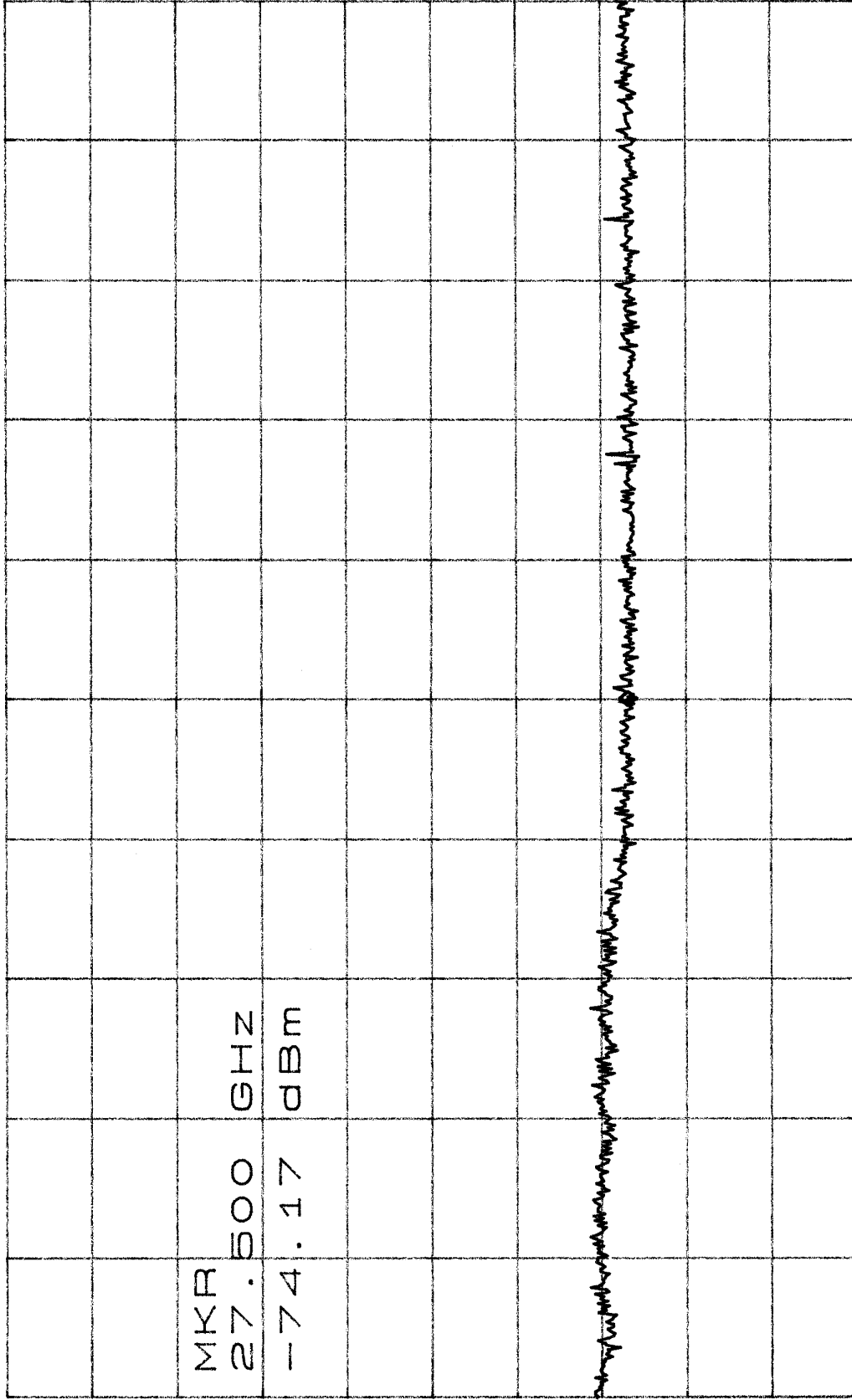


ATTEN 10dB

MKR -74.17dBm

RL 0dBm

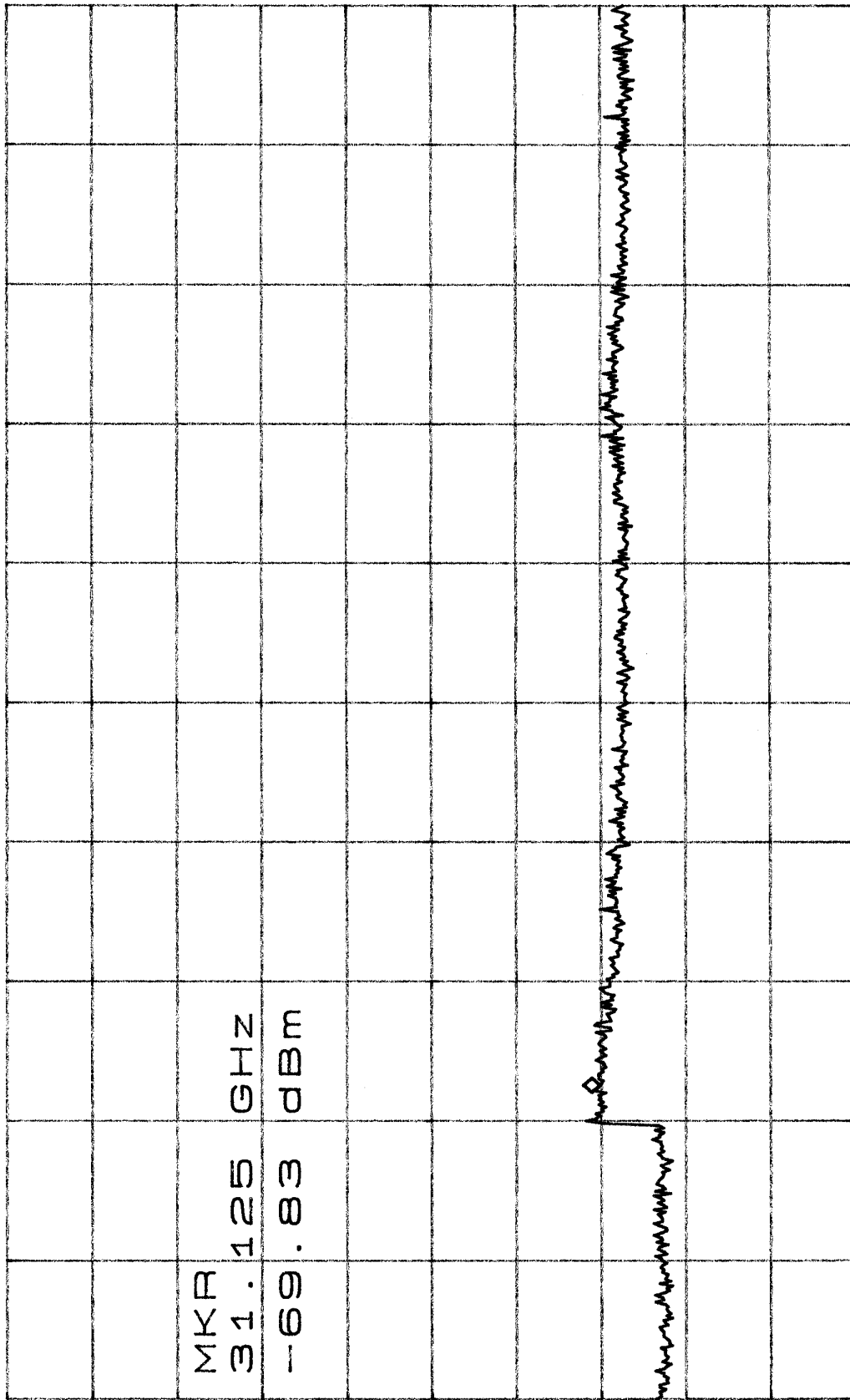
10dB/
27.500GHZ



D

START 25.000GHZ STOP 30.000GHZ
 *RBW 100KHZ *VBW 100KHZ *SWP 10.0sec

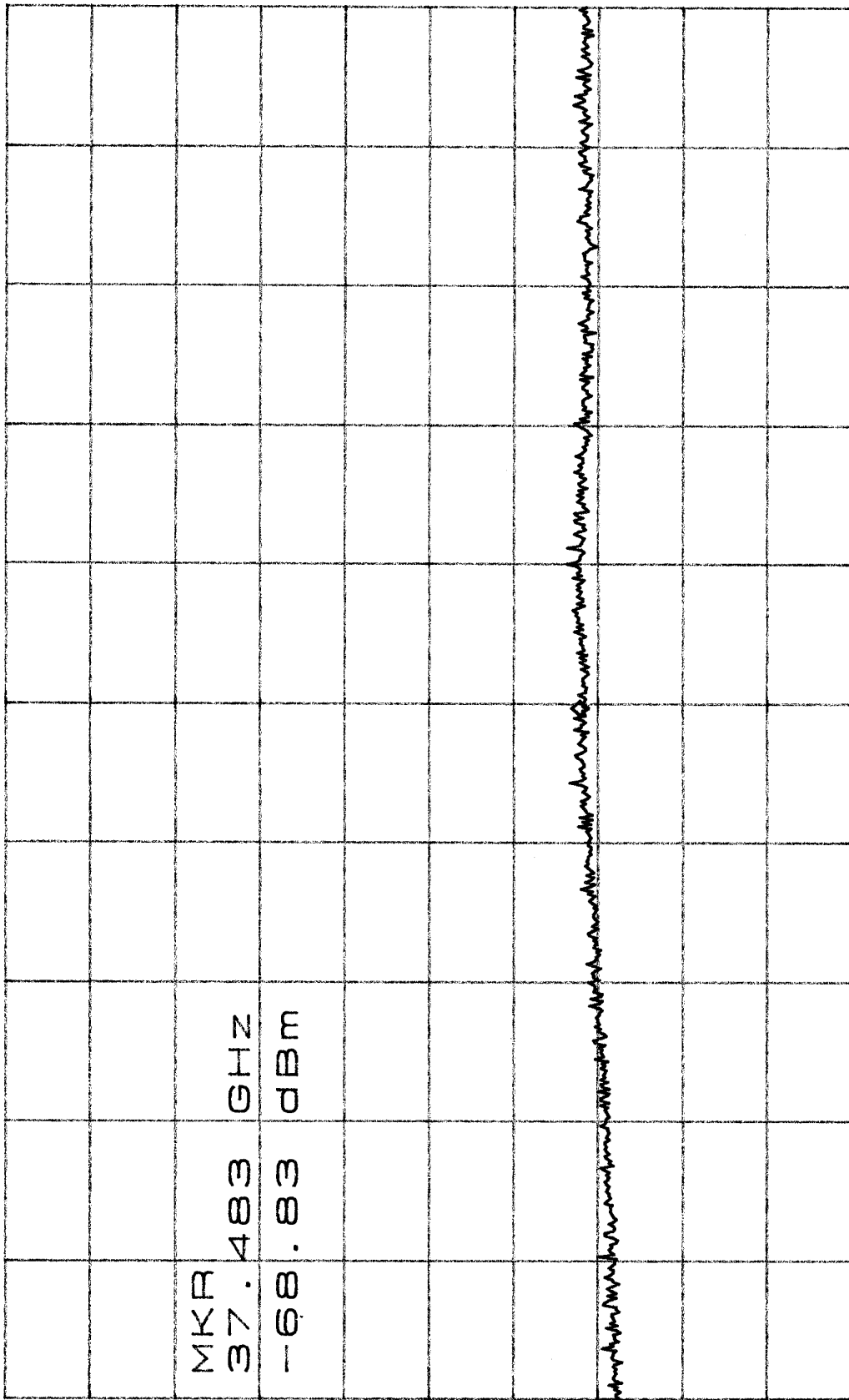
ATTEEN 10dB MKR -69.83dBm
RL 0dBm 31.125GHZ
10dB/



D

START 30.000GHZ STOP 35.000GHZ
*RBW 30KHZ *VBW 30KHZ *SWP 20.0sec

ATTEN 10dB MKR -68.83dBm
RL 0dBm 10dB/ 37.483GHZ



MKR
37.483 GHz
-68.83 dBm

D

START 35.000GHZ STOP 40.000GHZ
*RBW 30KHZ *VBW 30KHZ *SWP 20.0sec