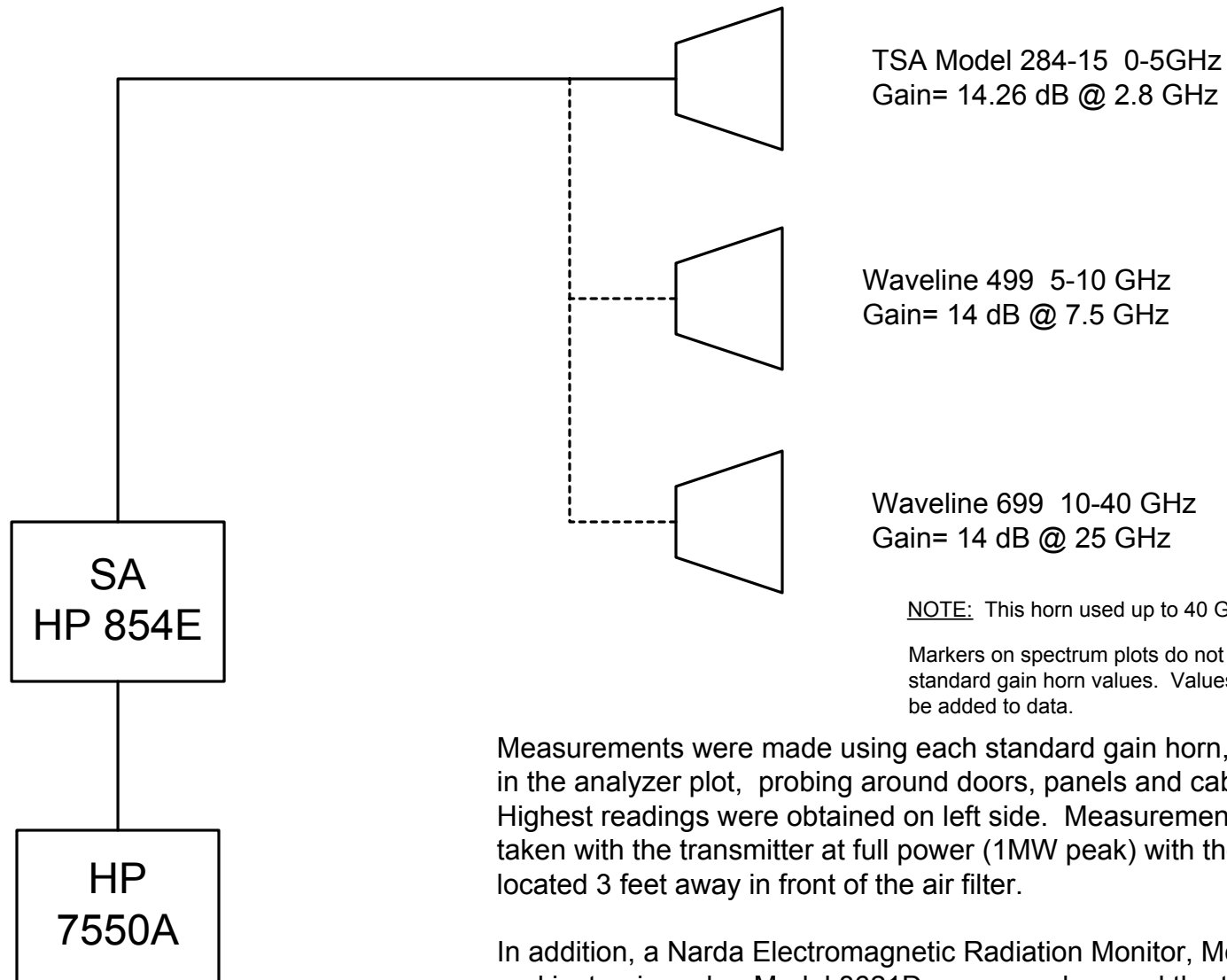


Test Setup for Field Strength of Spurious Radiation



Measurements were made using each standard gain horn, as shown in the analyzer plot, probing around doors, panels and cables. Highest readings were obtained on left side. Measurements were taken with the transmitter at full power (1MW peak) with the horn located 3 feet away in front of the air filter.

In addition, a Narda Electromagnetic Radiation Monitor, Model 8616 and isotropic probe, Model 8621D, were used around the transmitter cabinet doors, panels, etc. No readings were observed greater than 2mw/cm².

*ATTEN 0dB

MKR -55.33dBm

RL -10.0dBm

10dB/

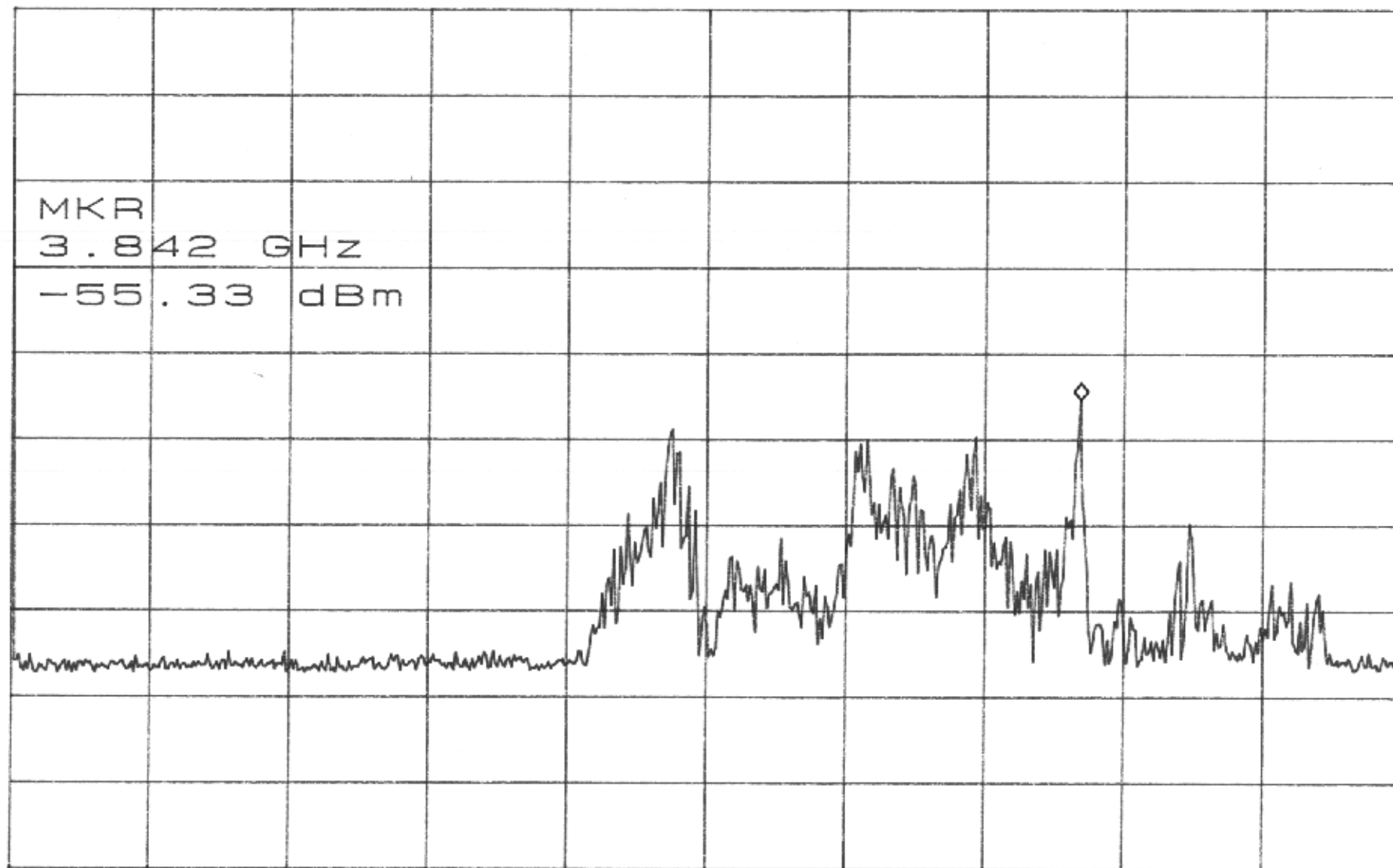
3.842GHz

T

MKR

3.842 GHz

-55.33 dBm



START 0Hz

STOP 5.000GHz

*RBW 100kHz

VBW 100kHz

*SWP 10.0sec

*ATTEN 0dB

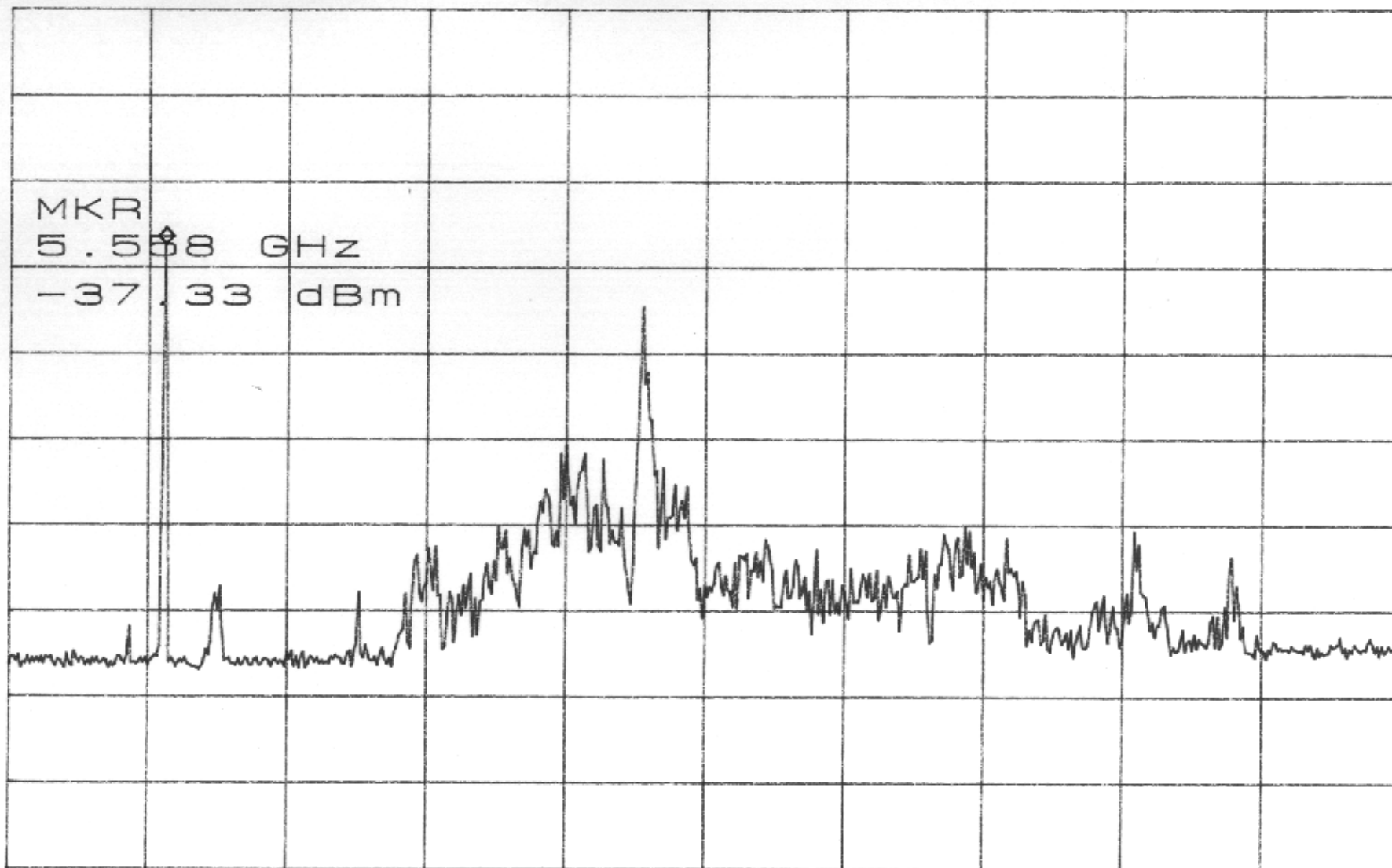
MKR -37.33dBm

RL -10.0dBm

10dB/

5.558GHz

DT



START 5.000GHz

STOP 10.000GHz

*RBW 100KHz

VBW 100KHz

*SWP 10.0sec

*ATTEN 0dB

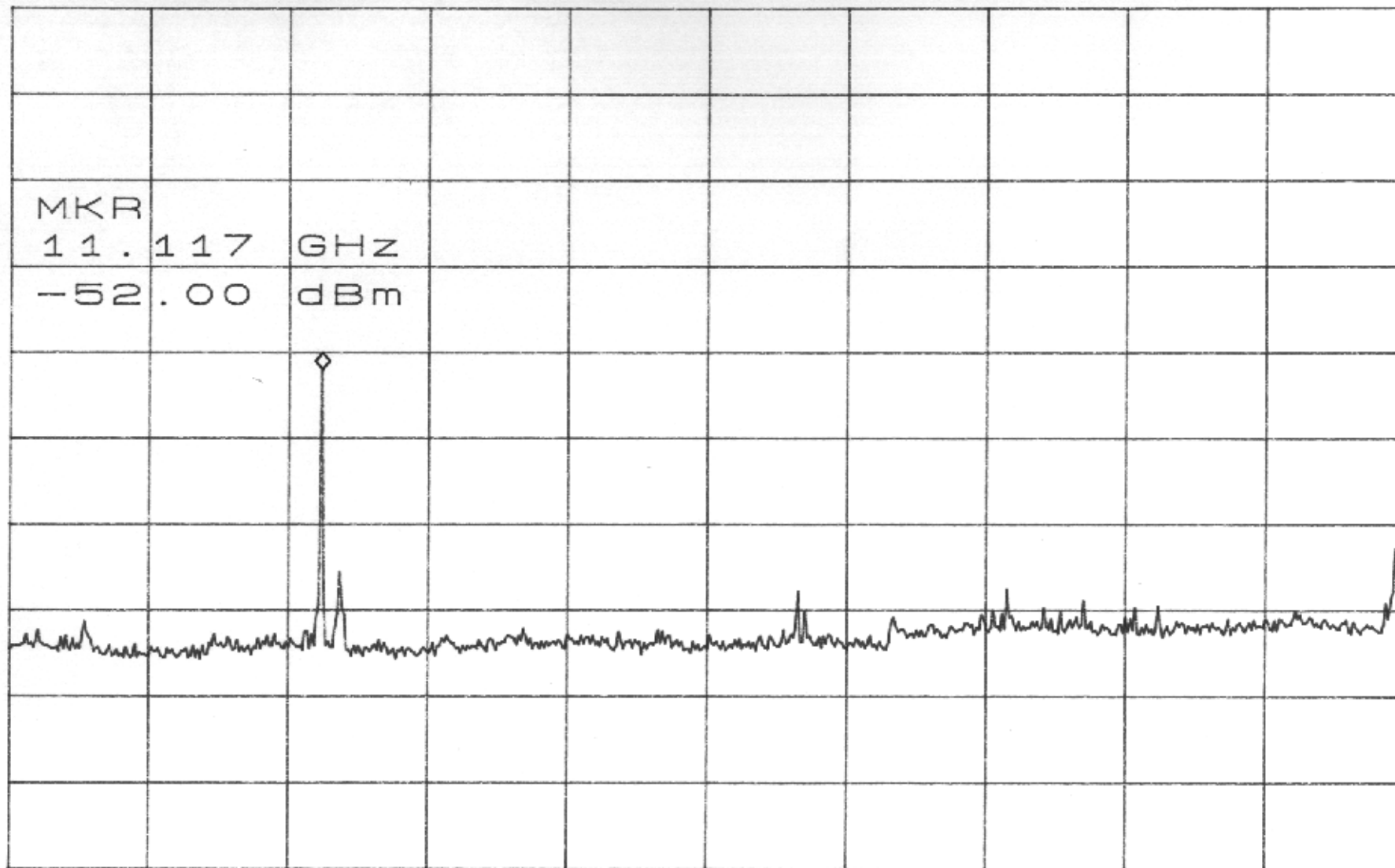
MKR -52.00dBm

RL -10.0dBm

10dB/

11.117GHz

DT



START 10.000GHz

STOP 15.000GHz

*RBW 100kHz

VBW 100kHz

*SWP 10.0sec

*ATTEN 0dB

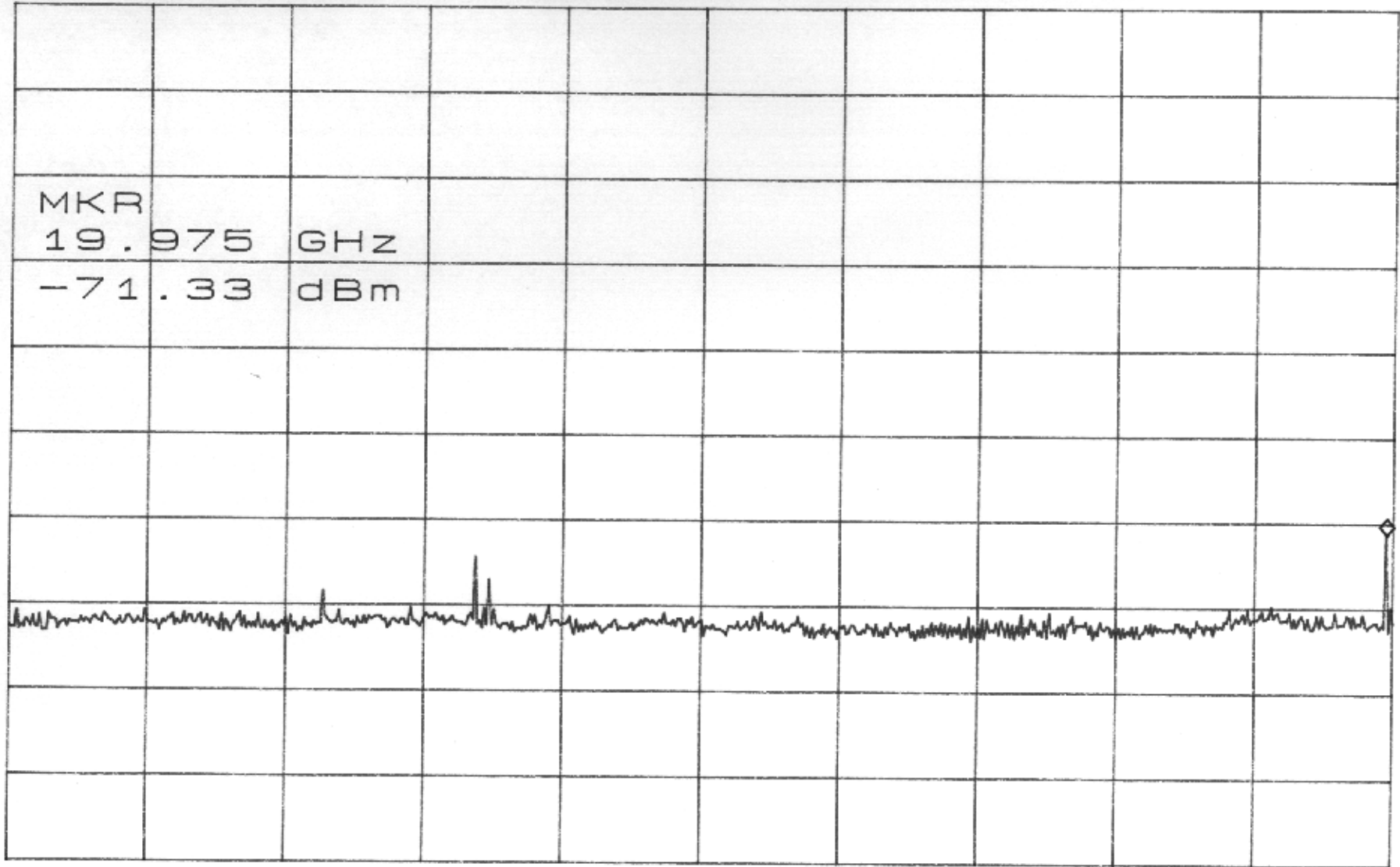
MKR -71.33dBm

RL -10.0dBm

10dB/

19.975GHz

T
D



START 15.000GHz

STOP 20.000GHz

*RBW 100kHz

VBW 100kHz

*SWP 10.0sec

*ATTEN 0dB

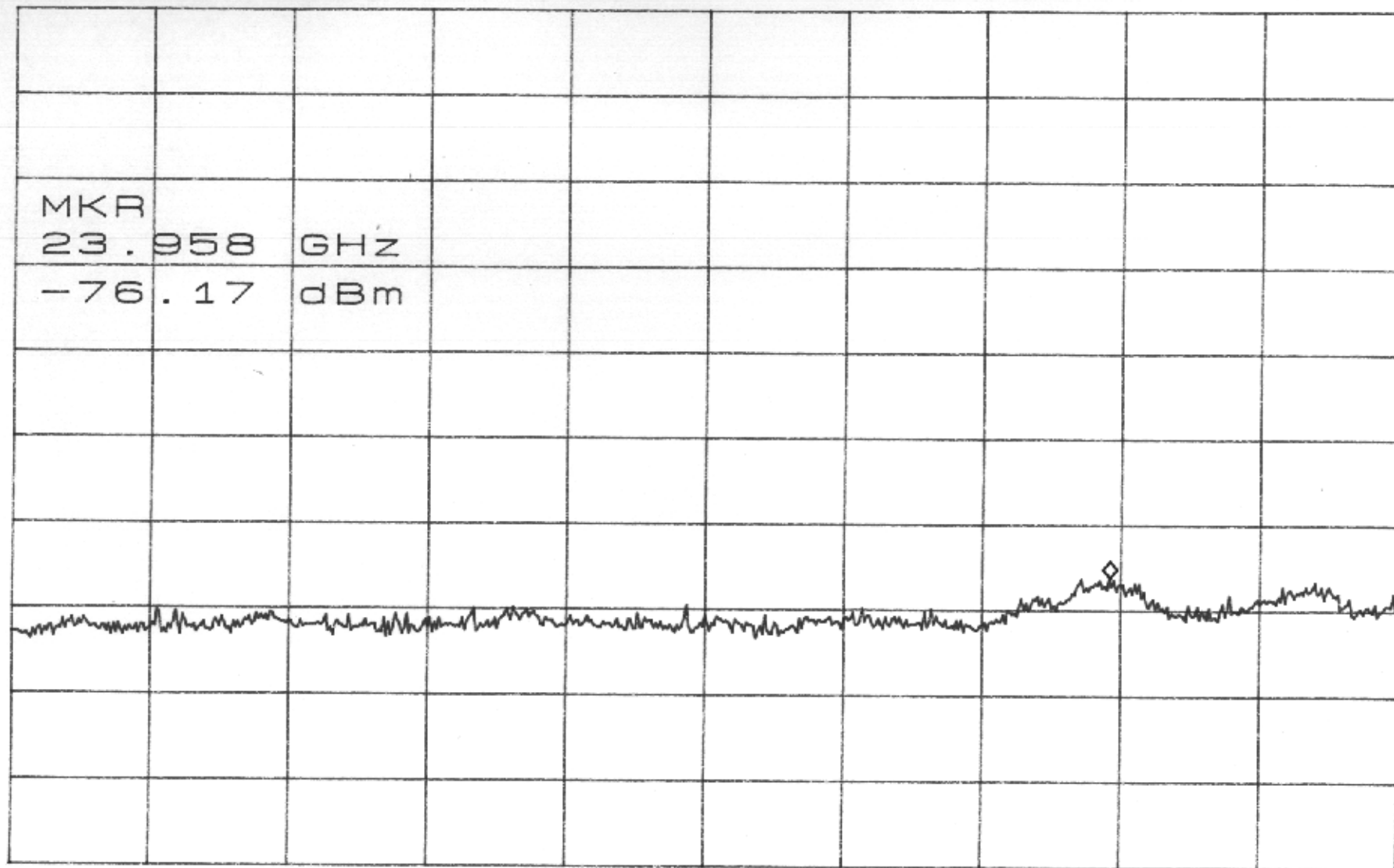
MKR -76.17dBm

RL -10.0dBm

10dB/

23.958GHz

T



START 20.000GHz

STOP 25.000GHz

*RBW 100kHz

VBW 100kHz

*SWP 10.0sec

*ATTEN 0dB

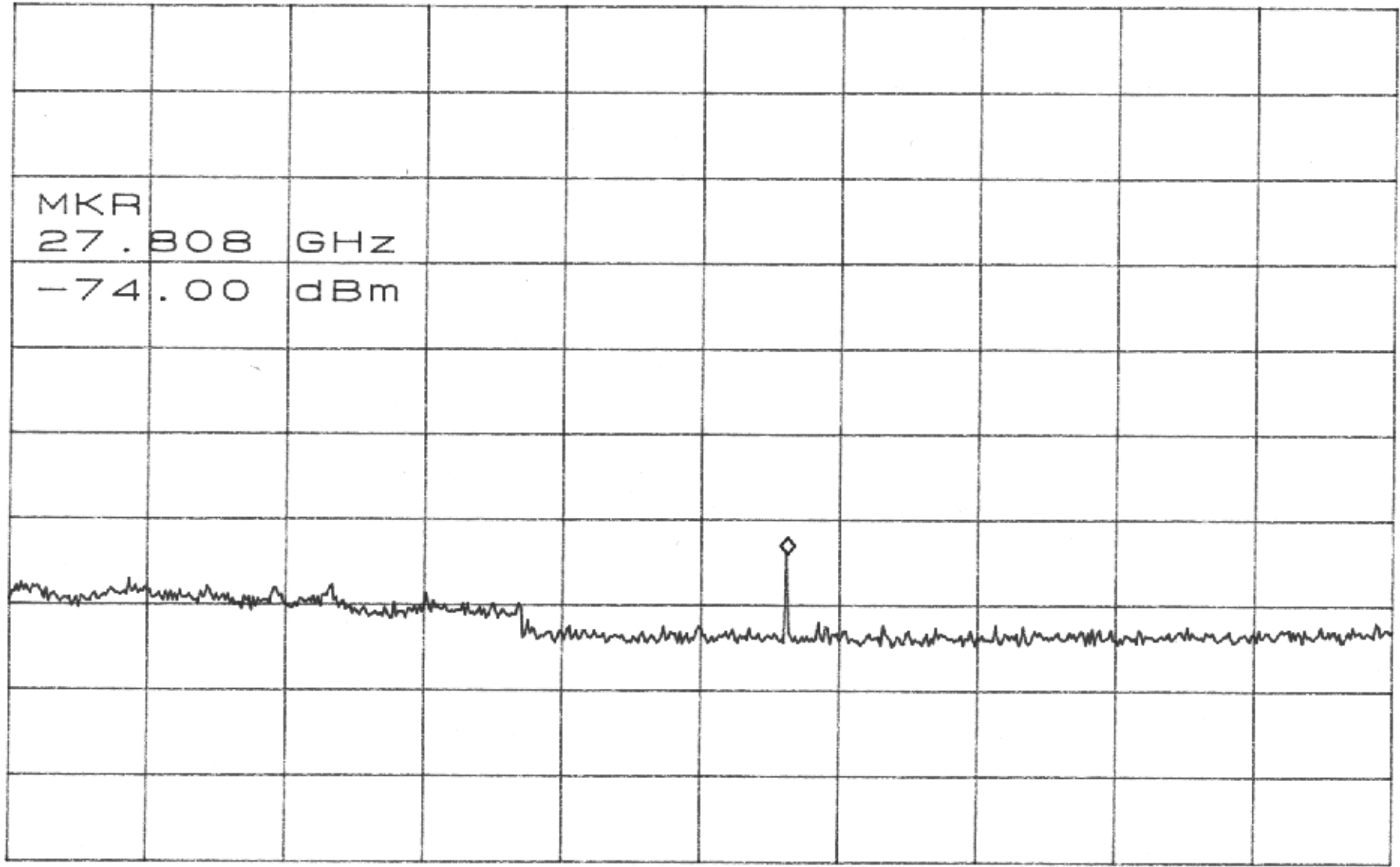
MKR -74.00dBm

RL -10.0dBm

10dB/

27.808GHz

T
D



START 25.000GHz

STOP 30.000GHz

*RBW 100kHz

VBW 100kHz

*SWP 10.0sec

*ATTEN 0dB

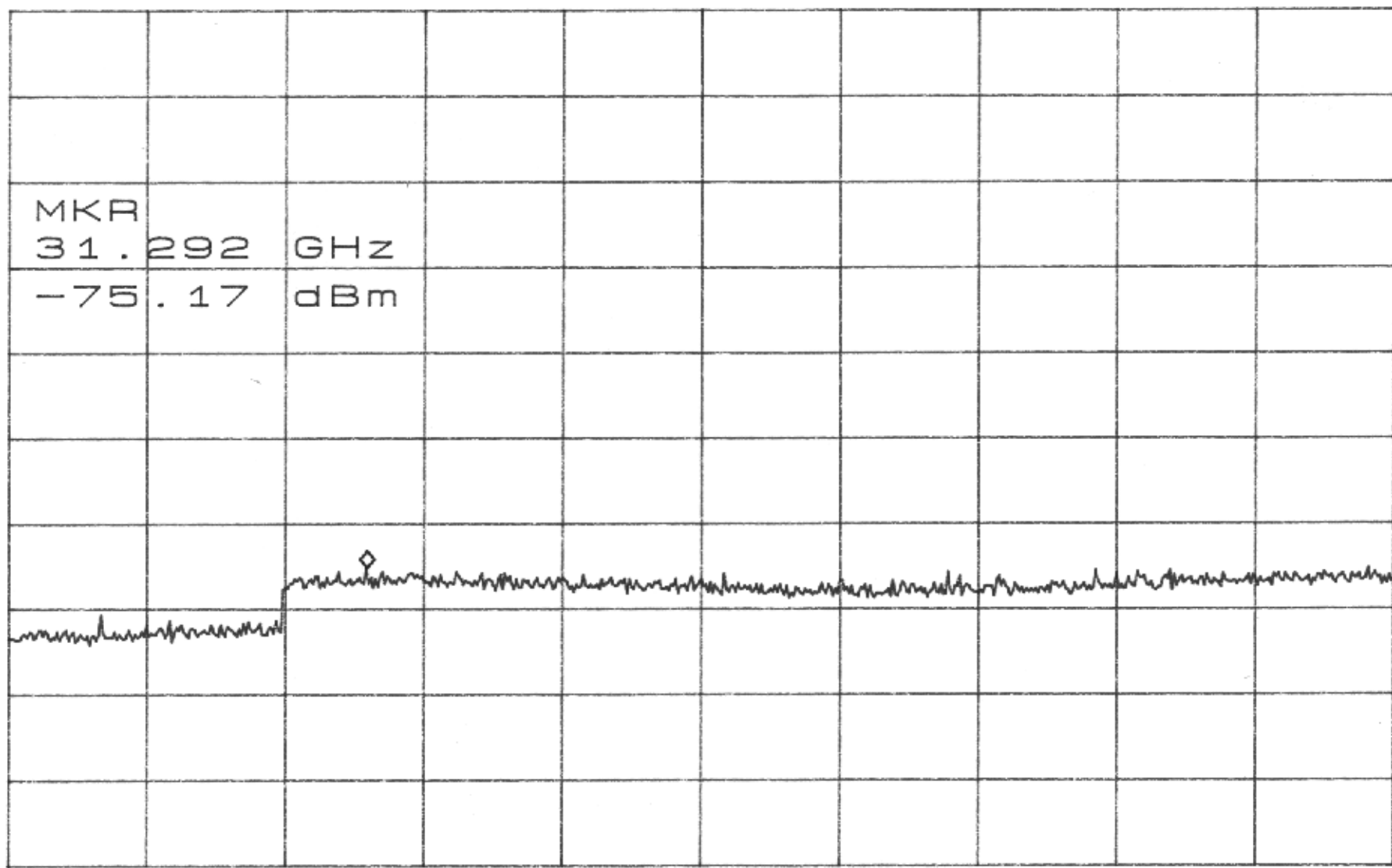
MKR -75.17dBm

RL -10.0dBm

10dB/

31.292GHz

TD



START 30.000GHz

STOP 35.000GHz

*RBW 100kHz

VBW 100kHz

*SWP 10.0sec

*ATTEN 0dB

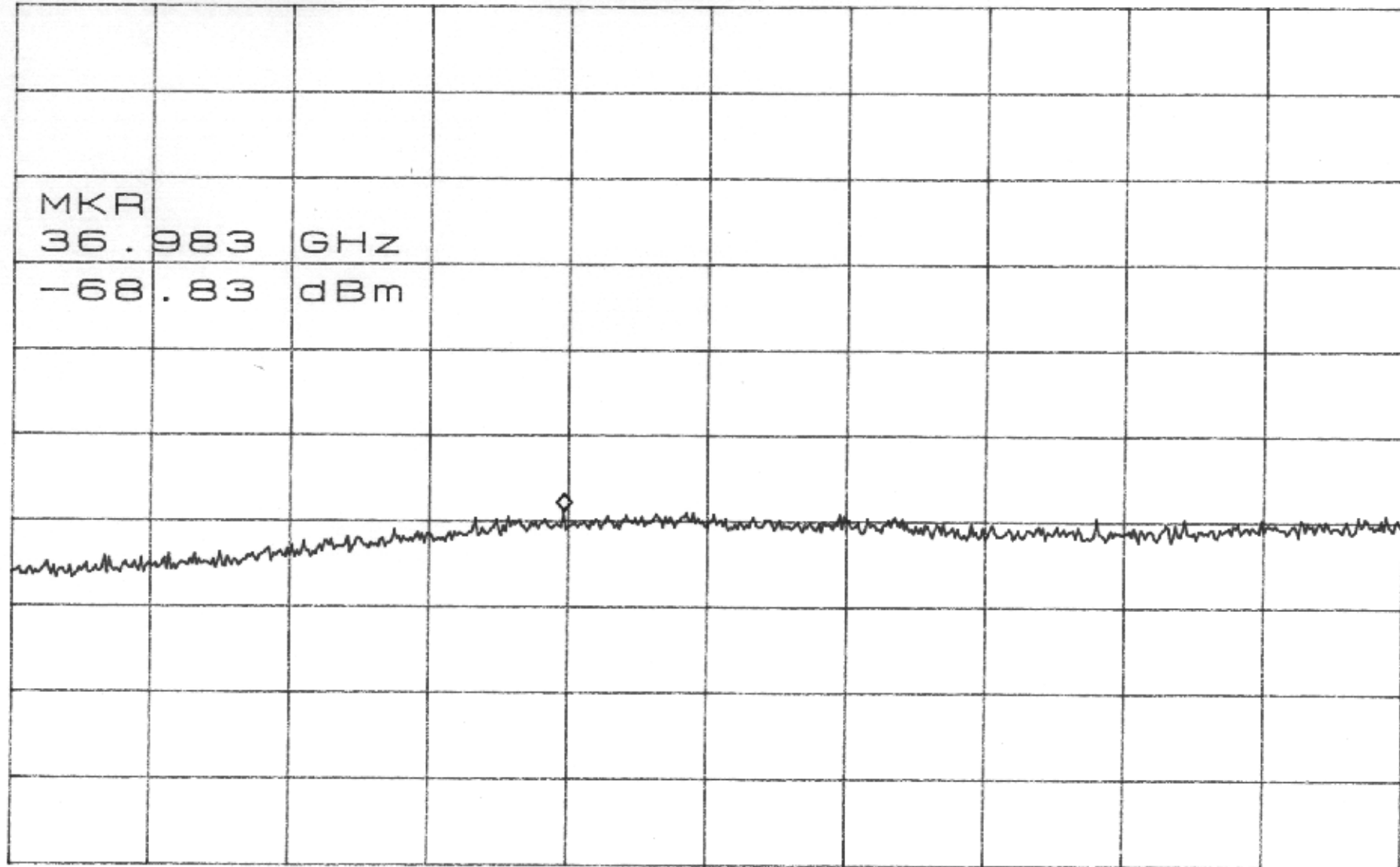
MKR -68.83dBm

RL -10.0dBm

10dB/

36.983GHz

T
D



MKR
36.983 GHz
-68.83 dBm

START 35.000GHz

STOP 40.000GHz

*RBW 100kHz

VBW 100kHz

*SWP 10.0sec