

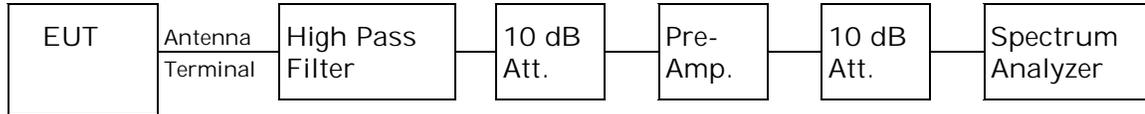
Additional Report

**Antenna Conducted Spurious Emission Measurement (§2.1051,§24.238))
-Spurious Emission Except the harmonics frequency-**

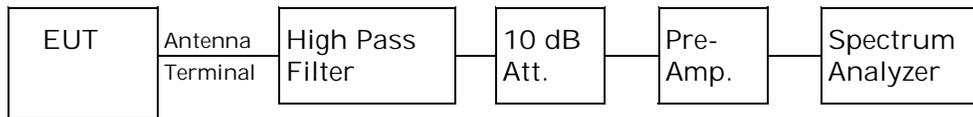
Test Procedure :

The Antenna Conducted Emission was measured with a spectrum analyzer, one or two 10 dB attenuator, a high pass filter., a pre-amplifier and a short, low loss cable.

1) Frequency Range : 2GHz - 6GHz



2) Frequency Range : 6GHz - 20GHz



Test location :

KITA-KANSAI Testing Center
7-7, Ishimaru, 1-Chome, Mino-Shi, Osaka, 562-0027, Japan

● - Shielded room

KAMEOKA EMC Branch

9-1, Ozaki, Inukanno, Nishibetsuin-Cho, Kameoka-Shi, Kyoto, 621-0126, Japan

○ - Shielded room

Used test instruments:

Model No.	Device ID	Last Cal. Date	Cal. Interval
○ - MP721C	D - 66		
● - 4T-10	D - 73	May, 2002	1 Year
● - 4T-10	D - 74	May, 2002	1 Year
○ - 2-10	D - 79		
○ - 2-10	D - 80		
● - UHP-127	D - 42	May, 2002	1 Year
○ - UHP-128	D - 43		
● - 8566B	A - 13	January, 2002	1 Year
○ - 8593A	A - 15		
○ - WJ-6611-513	A - 23		
● - WJ-6882-824	A - 21	May, 2002	1 Year
● - DBL-0618N515	A - 33	May, 2002	1 Year

Environmental conditions:

Temperature: 22 °C Humidity: 40 %

JQA Application No.: KL80020490S
Model No. : GS-200
FCC ID : APYHRO00027

Regulation : CFR 47 FCC Rules Part 24
Issue Date : January 15, 2003

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Measurement Result:

The plot data is shown in the attachment.

Pages 3-5 : 1850.200MHz(512ch)

Pages 6-8 : 1880.000MHz(661ch)

Pages 9-11 : 1909.800MHz(810ch)

The all spurious emission not listed in page 28 of 46 in KL8020490S were found to be more than 20 dB below the limit.

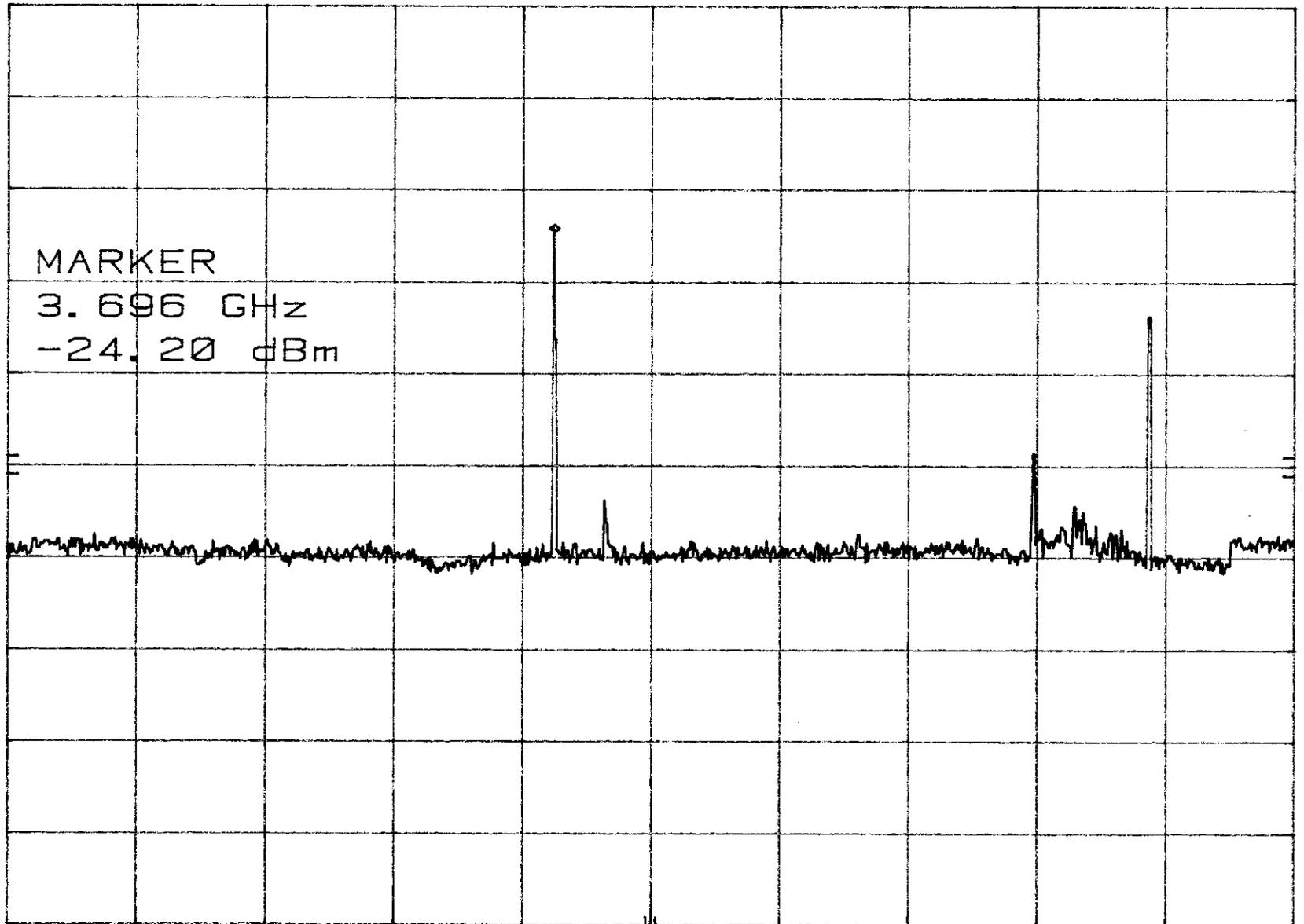
Judgement procedure:

The spurious data is compared to the antenna conducted emission level of the discrete frequencies of page 28 of 46.

MKR 3.696 GHz
-24.20 dBm

hp REF 0.0 dBm ATTEN 10 dB

10 dB/



START 2.00 GHz

RES BW 1 MHz

VBW 1 MHz

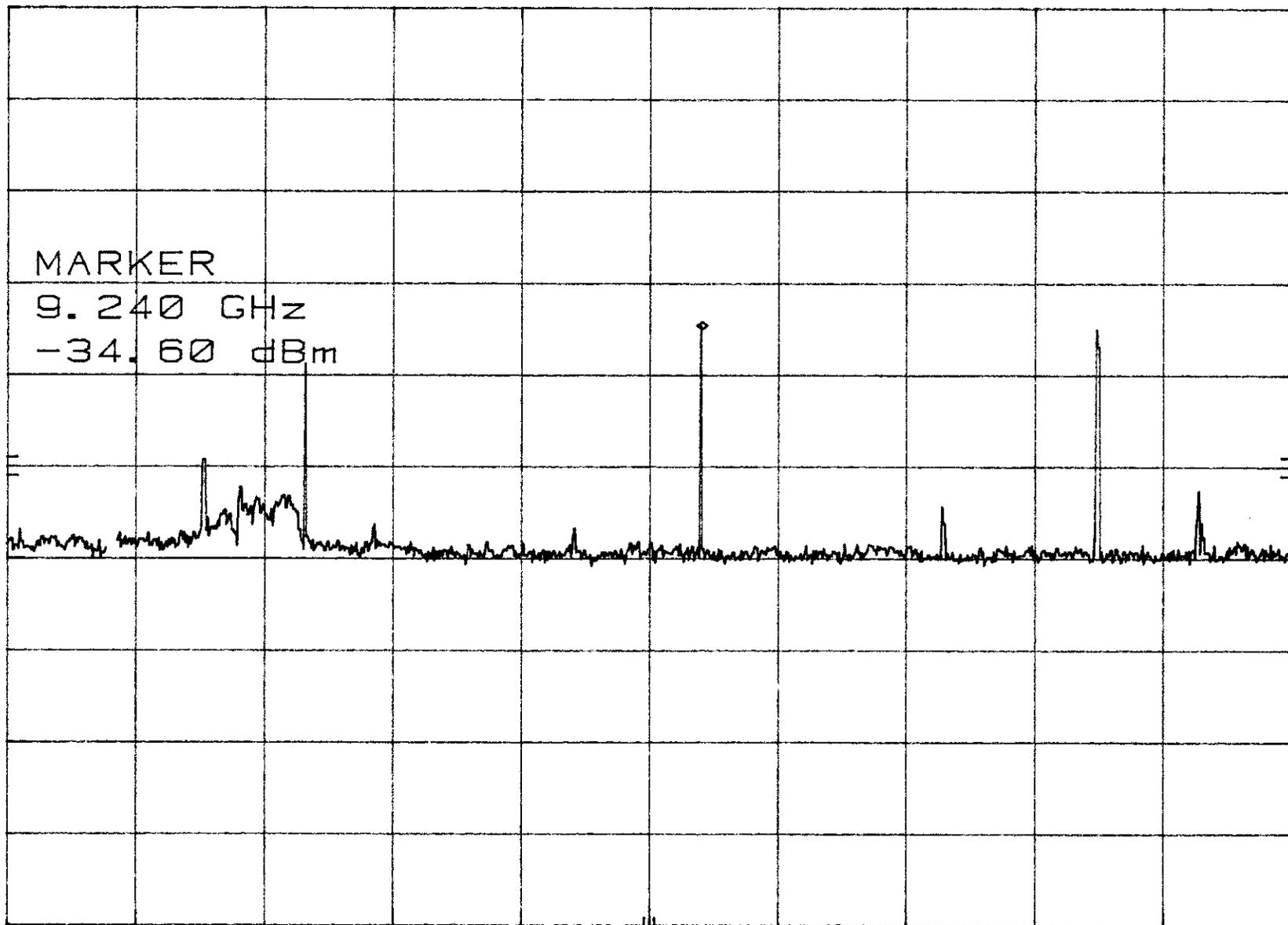
STOP 6.00 GHz

SWP 100 msec

hp REF 0.0 dBm ATTEN 10 dB

MKR 9.240 GHz
-34.60 dBm

10 dB/



MARKER
9.240 GHz
-34.60 dBm

START 6.00 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 12.00 GHz

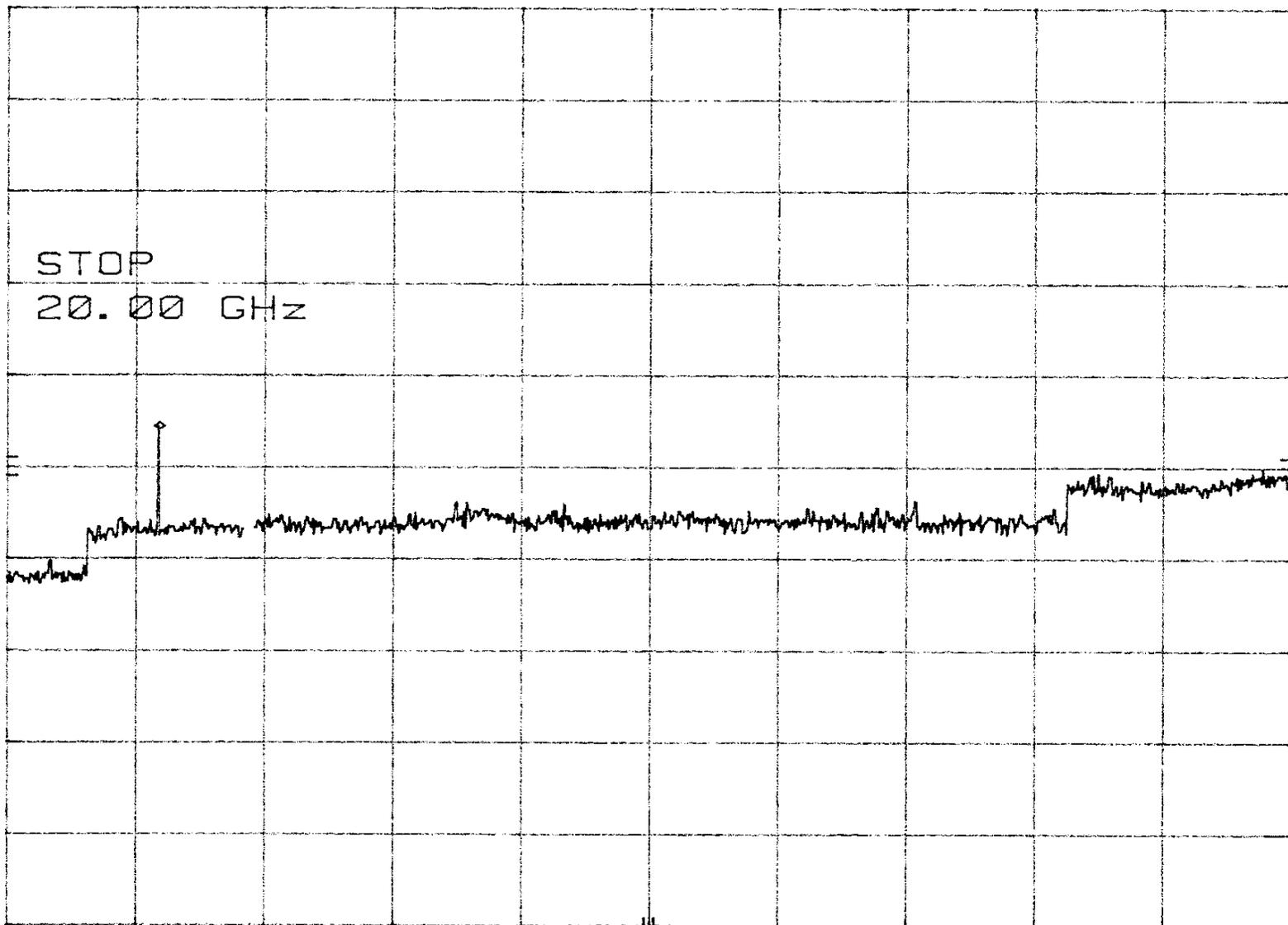
SWP 150 msec

MKR 12.944 GHz
-45.60 dBm

hp REF 0.0 dBm ATTN 10 dB

10 dB/

STOP
20.00 GHz



START 12.00 GHz

RES BW 1 MHz

VBW 1 MHz

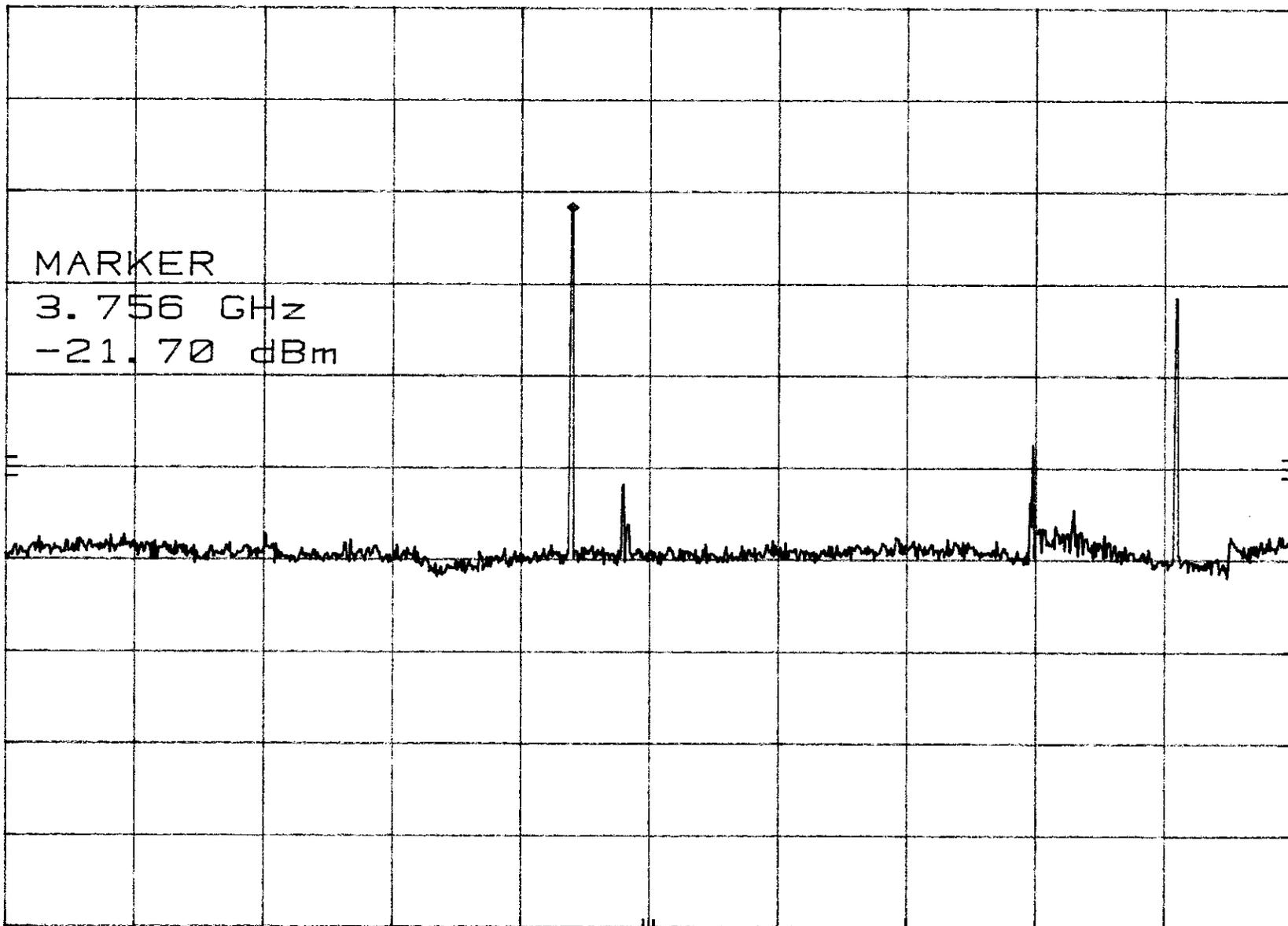
STOP 20.00 GHz

SWP 200 msec

MKR 3.756 GHz
-21.70 dBm

hp REF 0.0 dBm ATTN 10 dB

10 dB/



MARKER
3.756 GHz
-21.70 dBm

START 2.00 GHz

RES BW 1 MHz

VBW 1 MHz

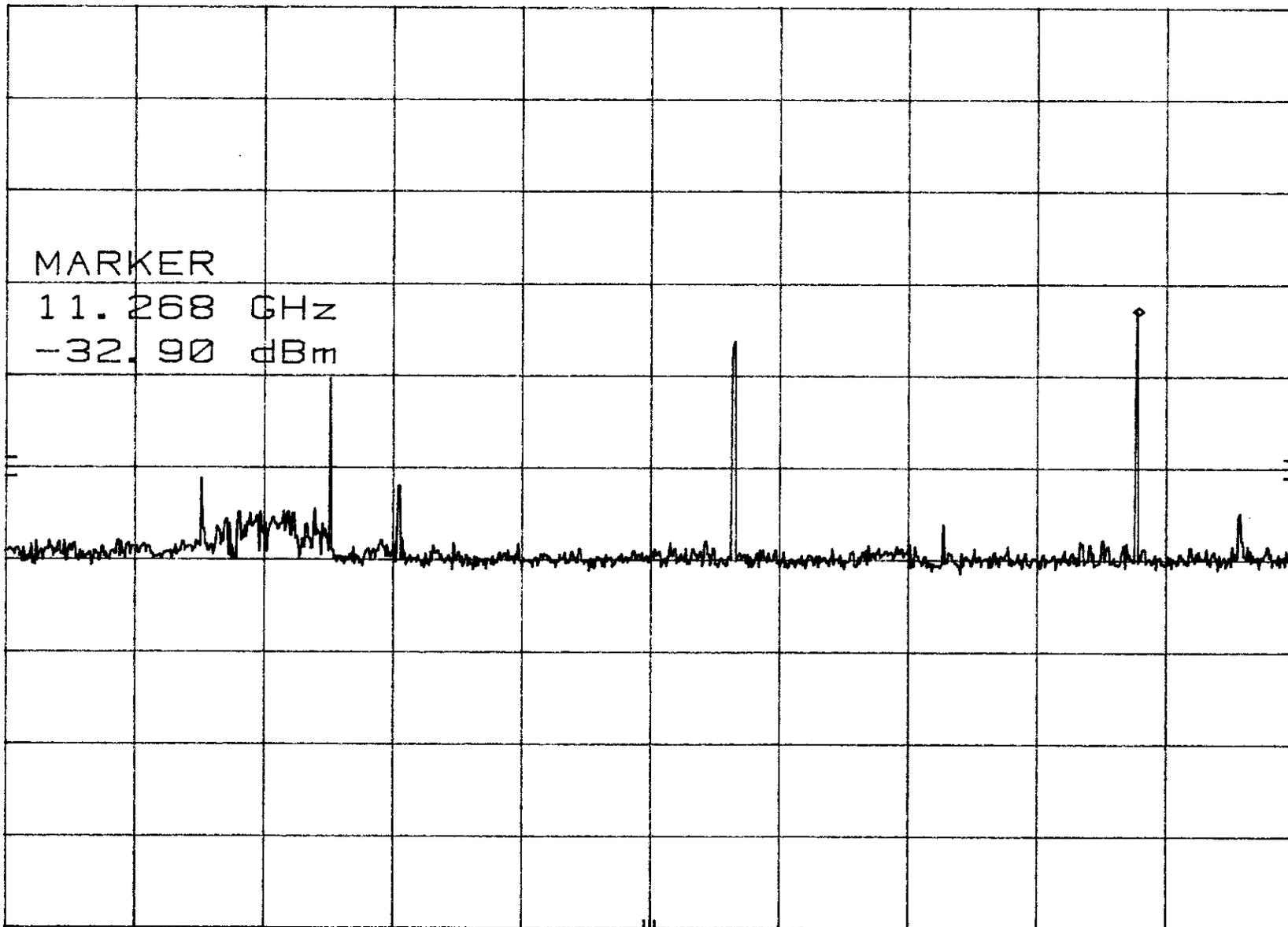
STOP 6.00 GHz

SWP 100 msec

hp
10 dB/

REF 0.0 dBm ATTEN 10 dB

MKR 11.268 GHz
-32.90 dBm



START 6.00 GHz

RES BW 1 MHz

VBW 1 MHz

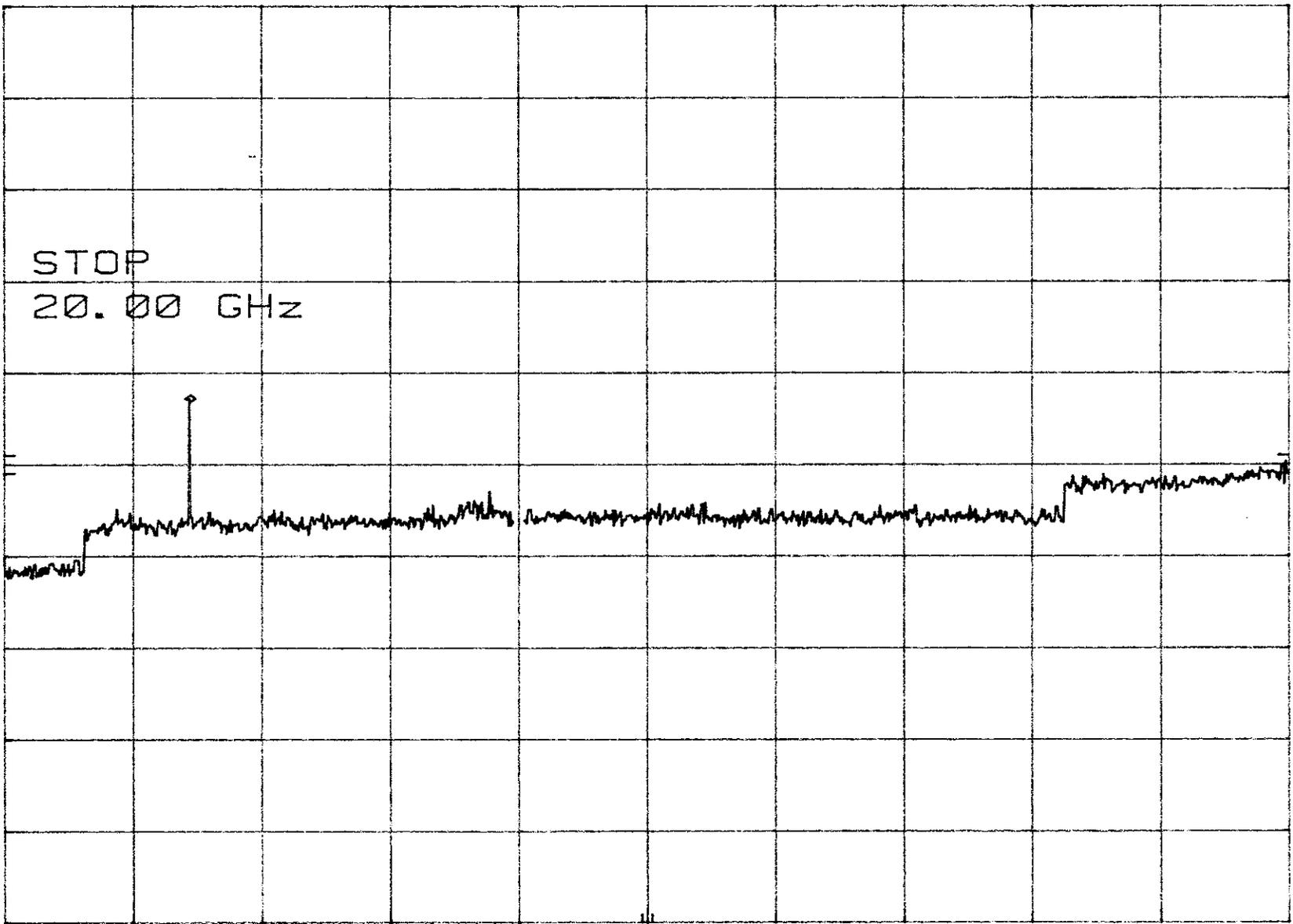
STOP 12.00 GHz

SWP 150 msec

MKR 13.152 GHz
-42.80 dBm

hp REF 0.0 dBm ATTEN 10 dB

10 dB/



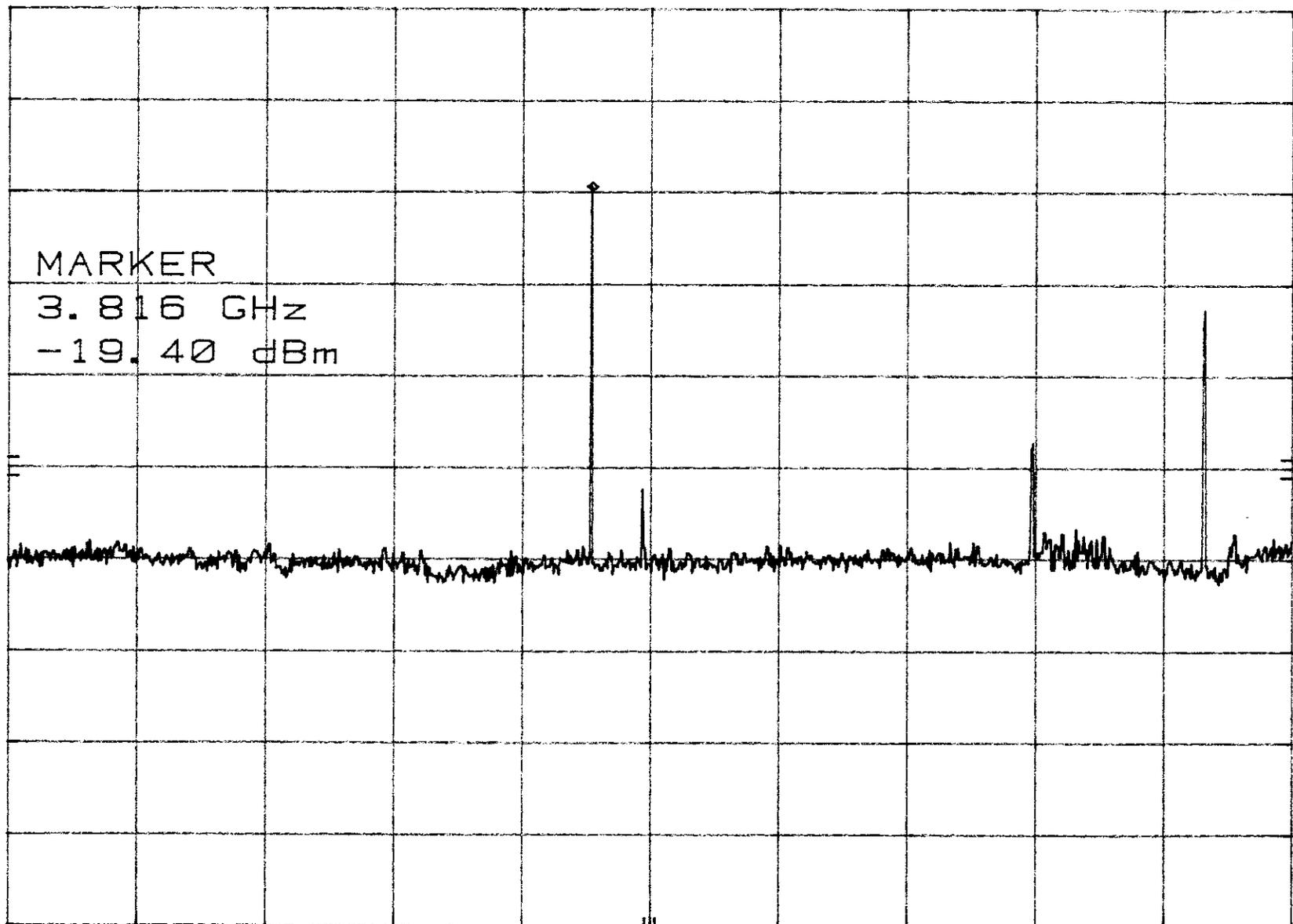
STOP
20.00 GHz

START 12.00 GHz RES BW 1 MHz VBW 1 MHz STOP 20.00 GHz SWP 200 msec

hp
10 dB/

REF 0.0 dBm ATTEN 10 dB

MKR 3.816 GHz
-19.40 dBm



MARKER
3.816 GHz
-19.40 dBm

START 2.00 GHz

RES BW 1 MHz

VBW 1 MHz

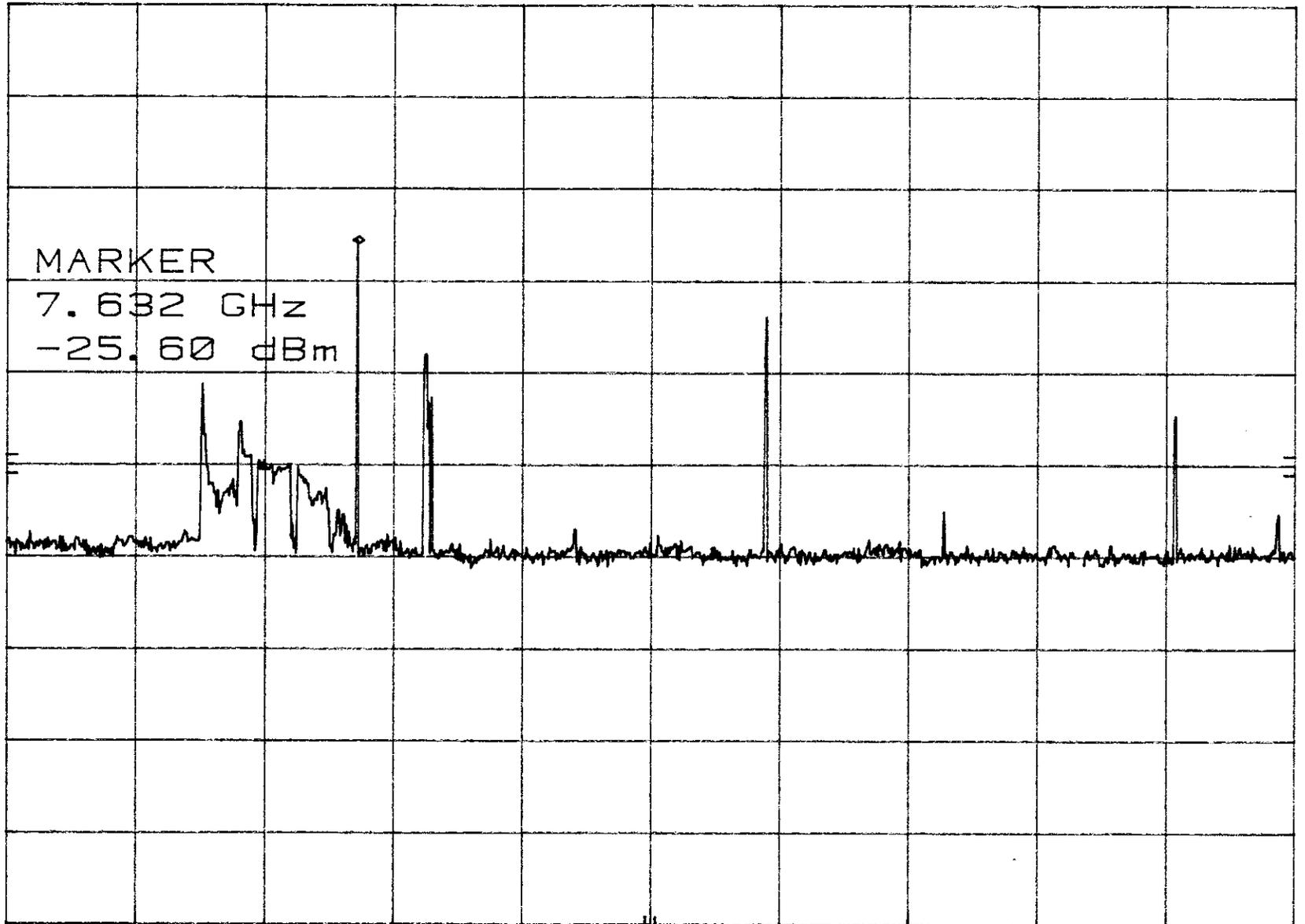
STOP 6.00 GHz

SWP 100 msec

MKR 7.632 GHz
-25.60 dBm

hp REF 0.0 dBm ATTEN 10 dB

10 dB/



START 6.00 GHz

RES BW 1 MHz

VBW 1 MHz

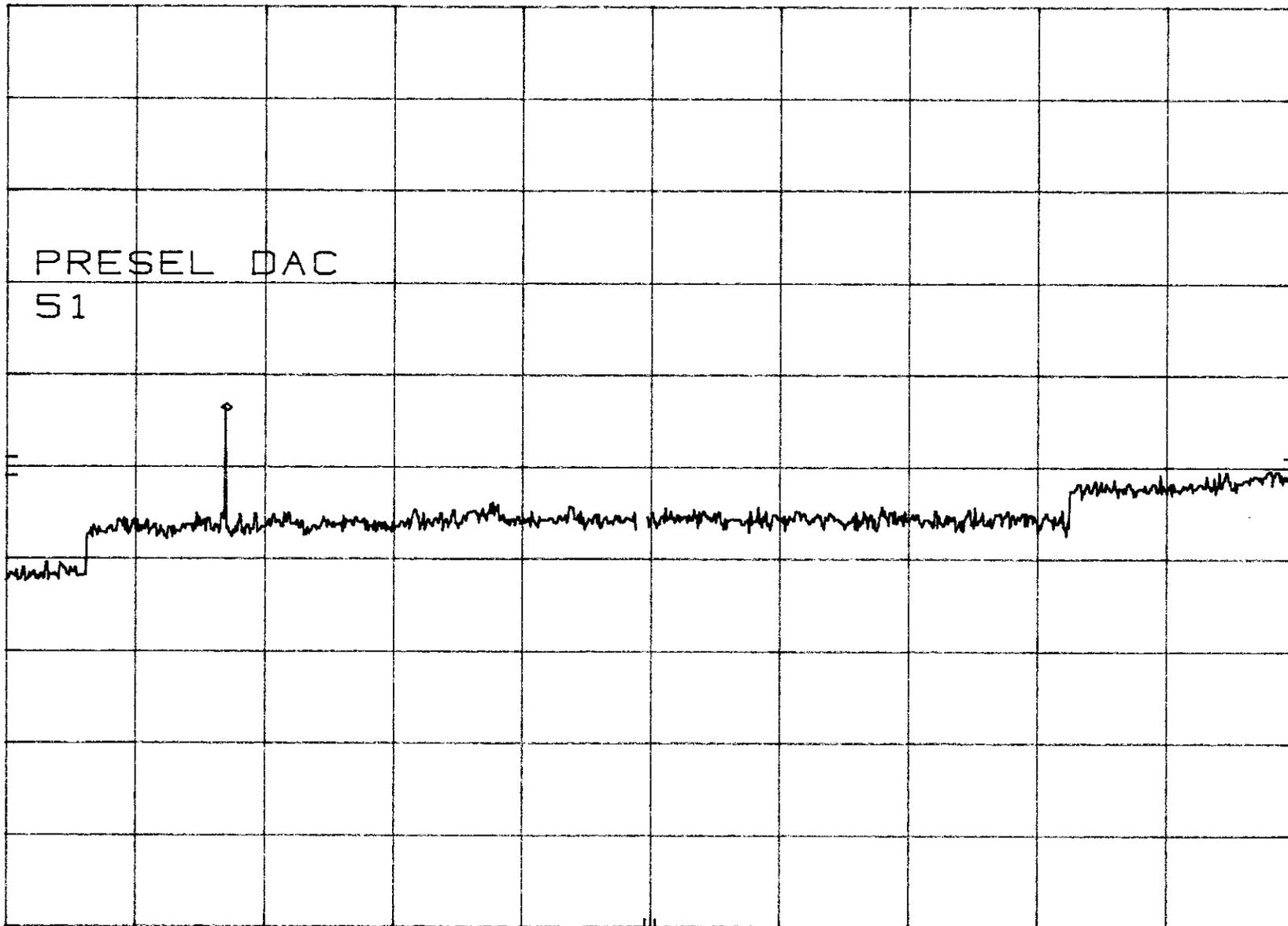
STOP 12.00 GHz

SWP 150 msec

hp
10 dB/

REF 0.0 dBm ATTEN 10 dB

MKR 13.360 GHz
-43.60 dBm



START 12.00 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 20.00 GHz

SWP 200 msec