

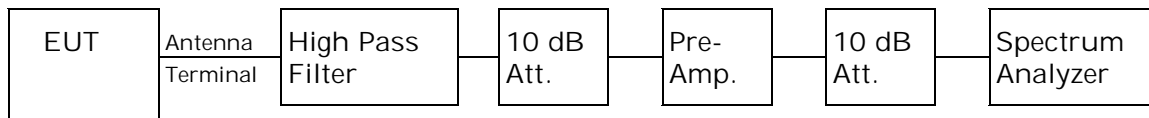
### Additional Report

#### 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, two 10 dB attenuator, a high pass filter., a pre-amplifier and a short, low loss cable.



##### 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: 21 °C Humidity: 48 %

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 KL8020613 were found to be more than 20 dB below the limit.

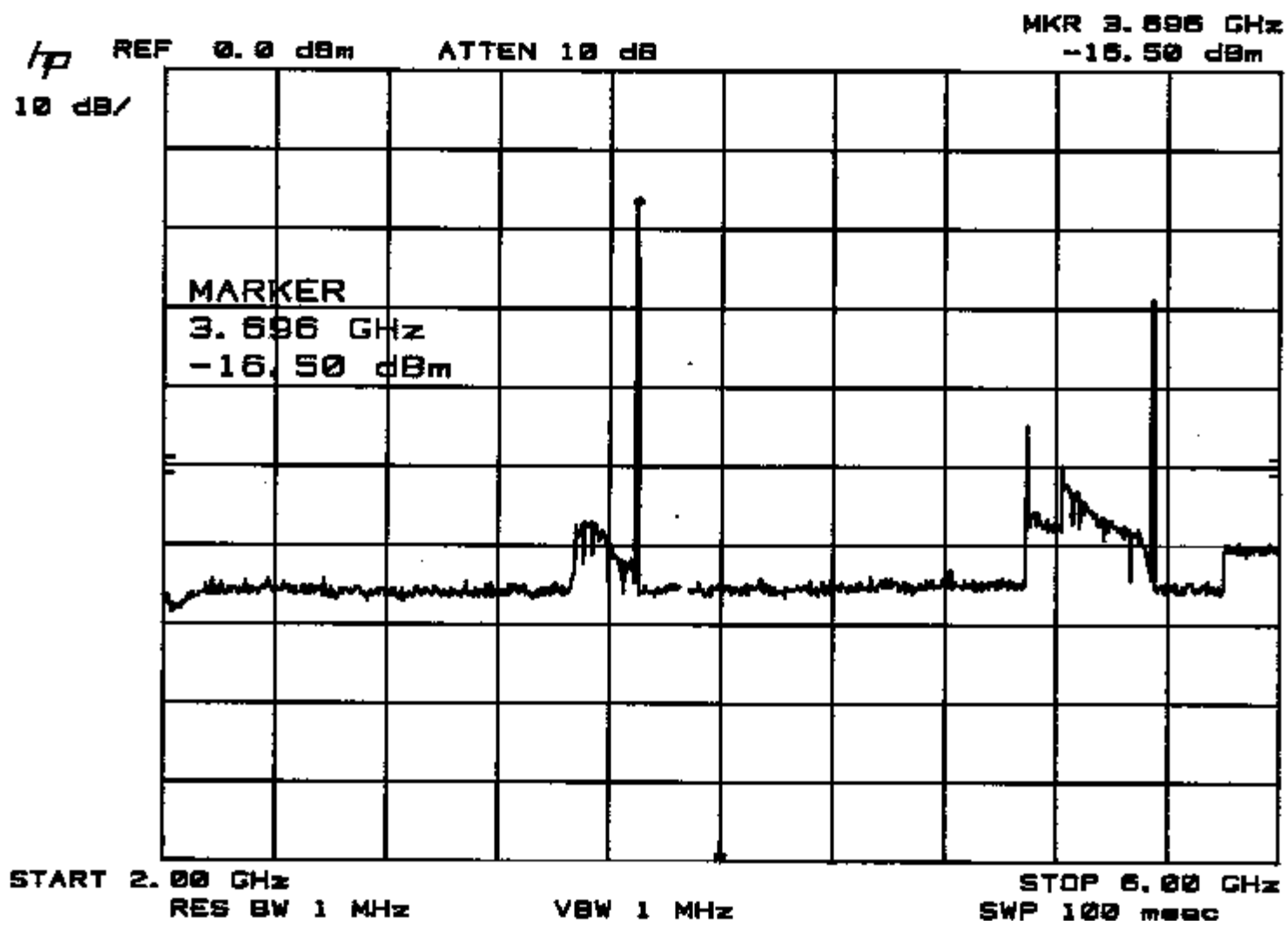
Sample Calculation:

<b>Transmitting Frequency</b>	<b>Frequency</b>	<b>Correction Factor</b>	<b>Meter Readings (dBm)</b>	<b>Limits</b>	<b>Results (dBm)</b>
<b>[MHz]</b>	<b>[MHz]</b>	<b>[dB]</b>		<b>(dBm)</b>	
1850.2	3696.0	-20.8	-16.5	-13.0	-37.3
1880.0	3756.0	-20.7	-15.3	-13.0	-36.0
1909.2	3716.0	-20.7	-11.5	-13.0	-32.2

Note: The Amp Gain , the attenuator loss and the cable loss are included in the correction factor.

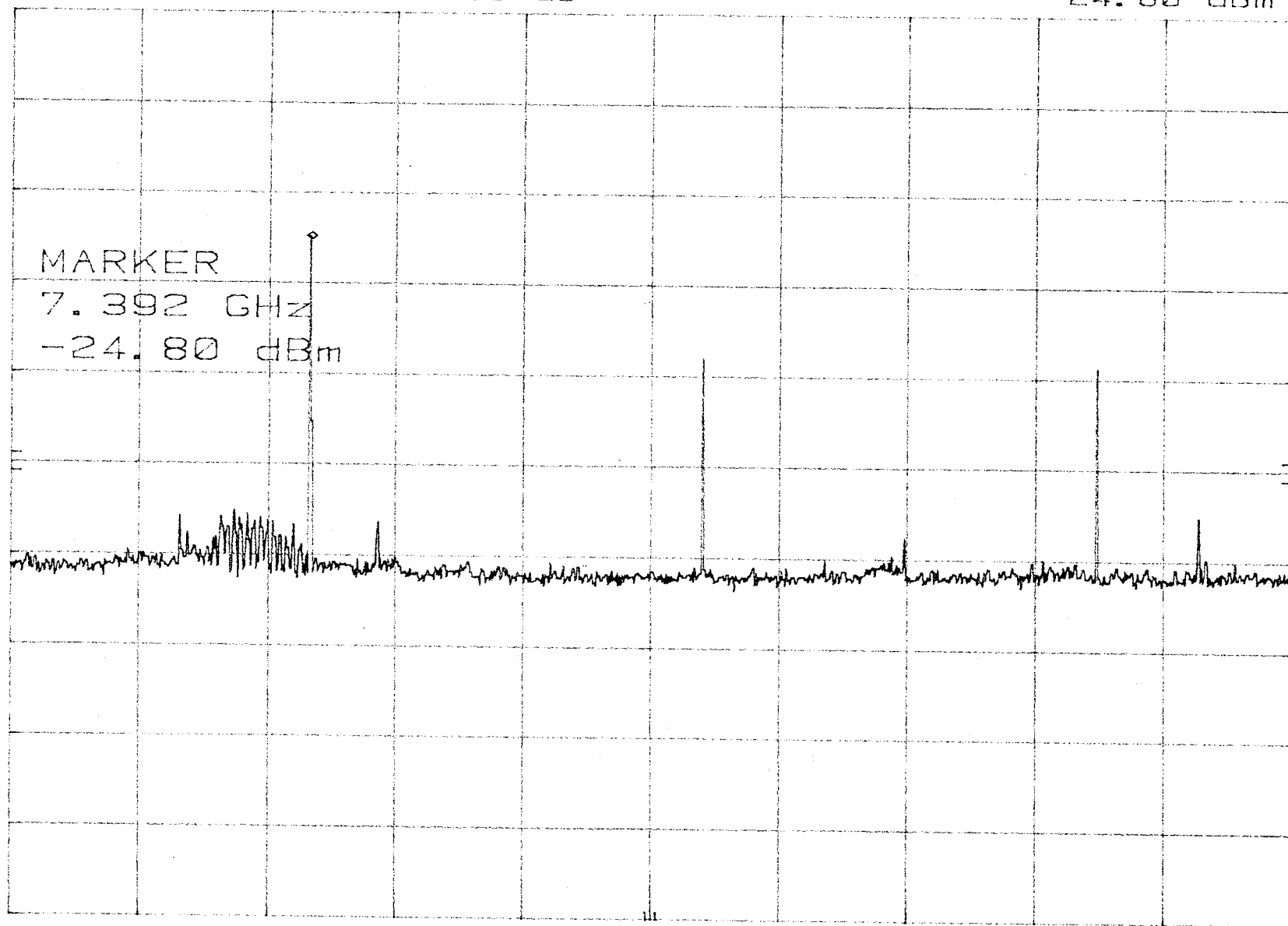
Judgement procedure:

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



hp REF 0.0 dBm ATTN 10 dB MKR 7.392 GHz  
-24.80 dBm

10 dB/



START 6.00 GHz

RES BW 1 MHz

VBW 1 MHz

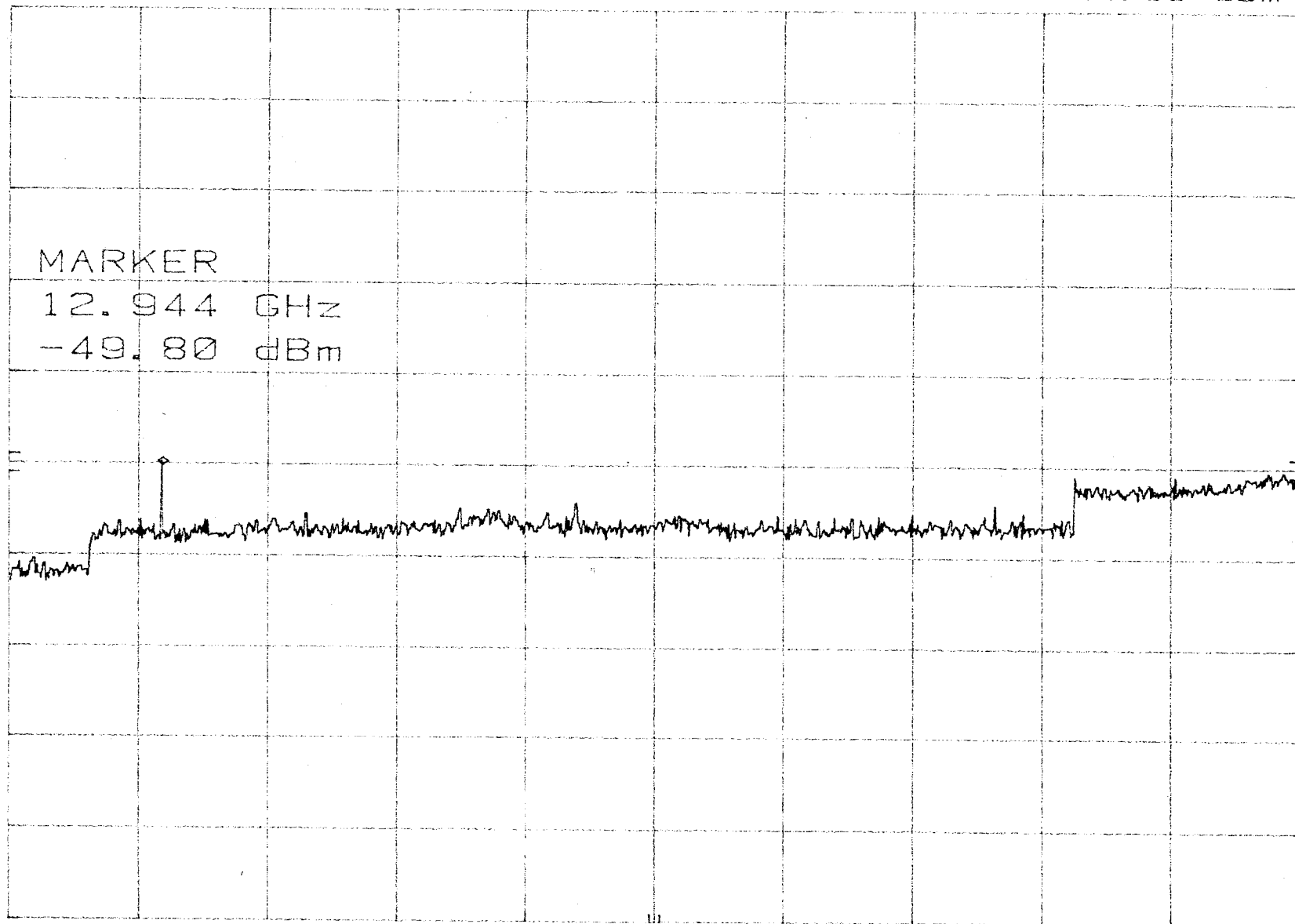
STOP 12.00 GHz

SWP 150 msec

hp REF 0.0 dBm ATTN 10 dB  
10 dB/

MKR 12.944 GHz  
-49.80 dBm

MARKER  
12.944 GHz  
-49.80 dBm

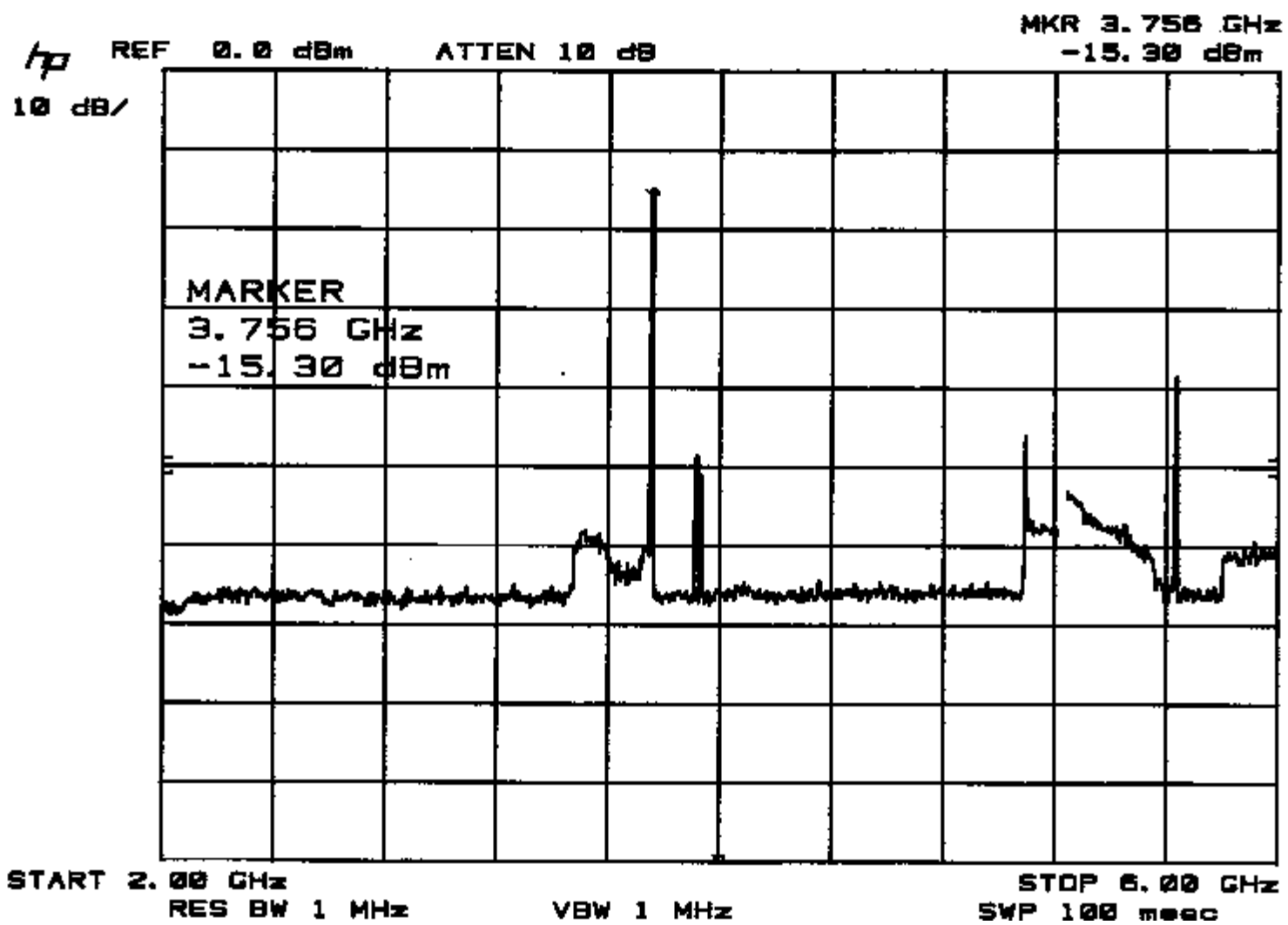


START 12.00 GHz

RES BW 1 MHz

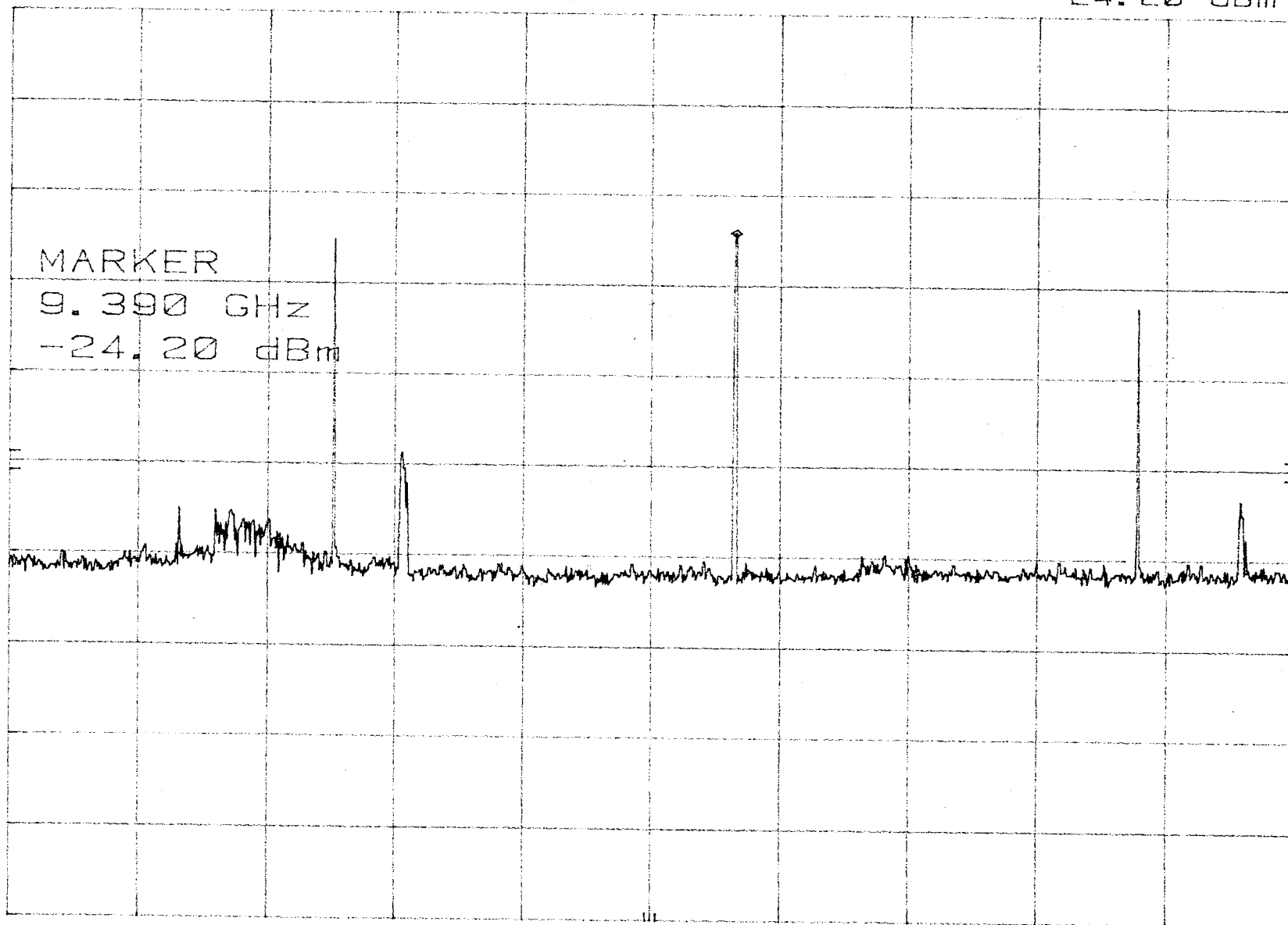
VBW 1 MHz

STOP 20.00 GHz  
SWP 200 msec



hp REF 0.0 dBm ATTEN 10 dB MKR 9.390 GHz  
-24.20 dBm

10 dB/



START 6.00 GHz

RES BW 1 MHz

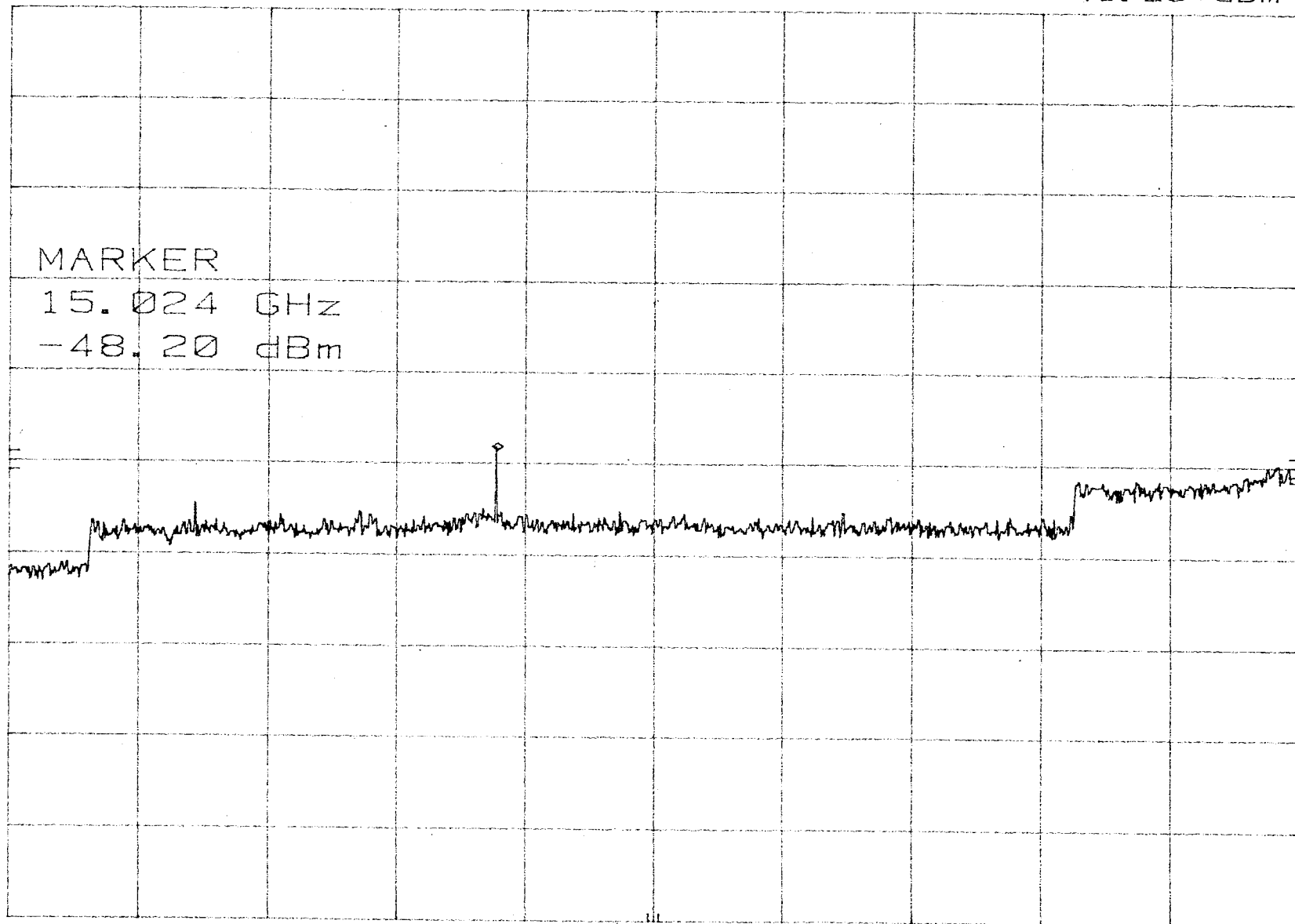
VBW 1 MHz

STOP 12.00 GHz  
SWP 150 msec

hp REF 0.0 dBm ATTN 10 dB  
10 dB/

MKR 15.024 GHz  
-48.20 dBm

MARKER  
15.024 GHz  
-48.20 dBm

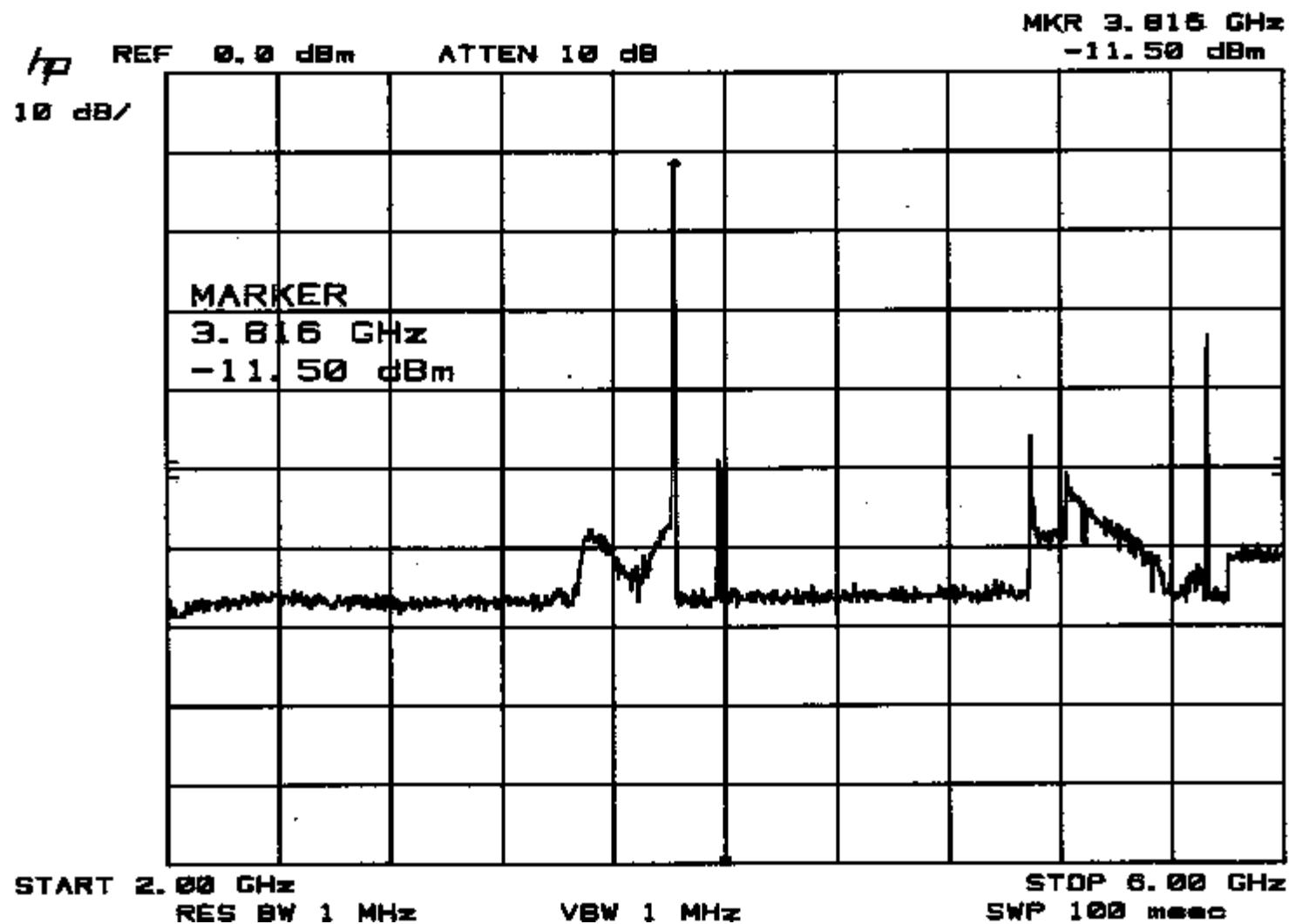


START 12.00 GHz  
RES BW 1 MHz

VBW 1 MHz

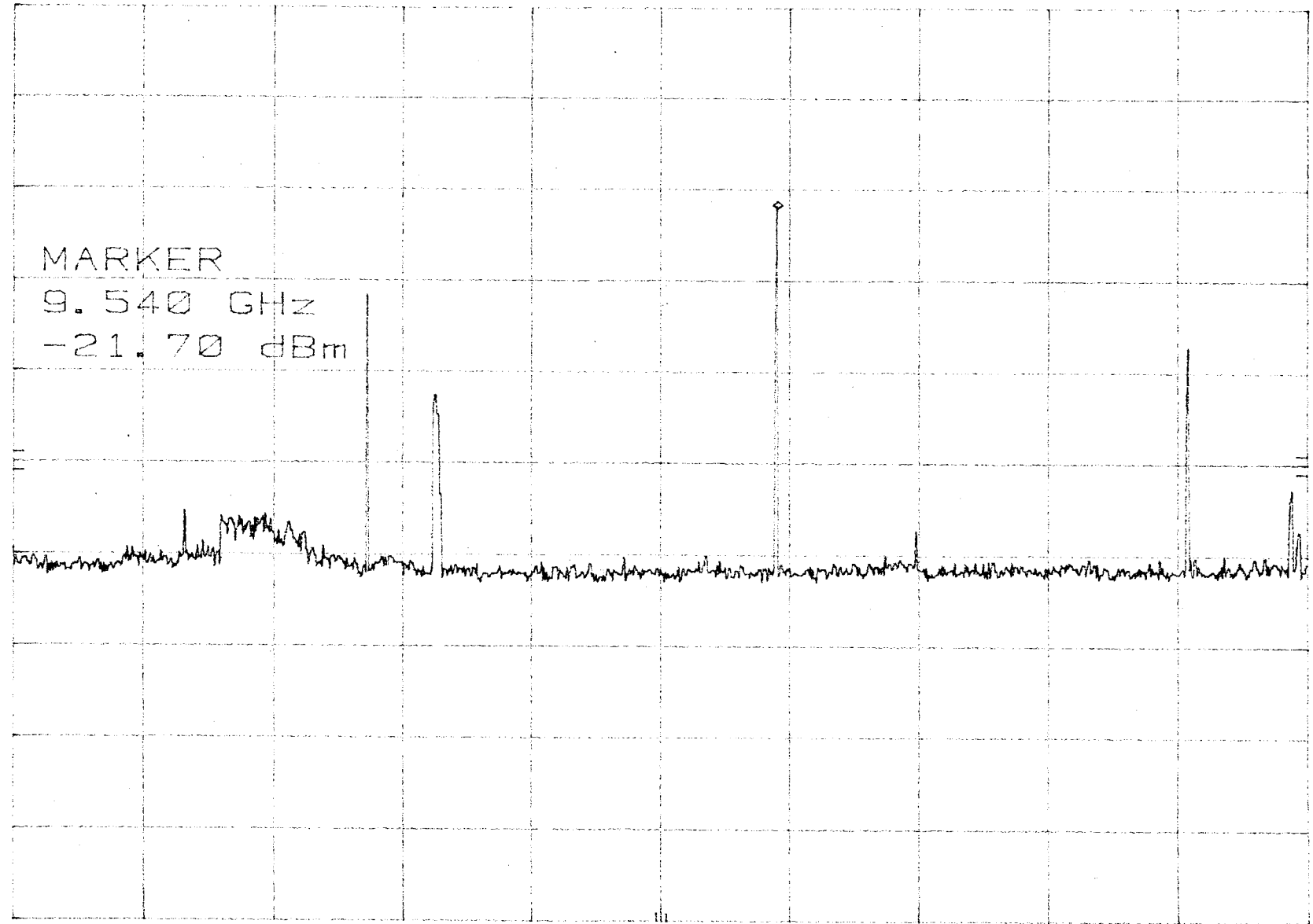
STOP 20.00 GHz  
SWP 200 msec





MKR 9.540 GHz  
-21.70 dBm

hp REF 0.0 dBm ATTN 10 dB  
10 dB/



START 6.00 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 12.00 GHz

SWP 150 msec

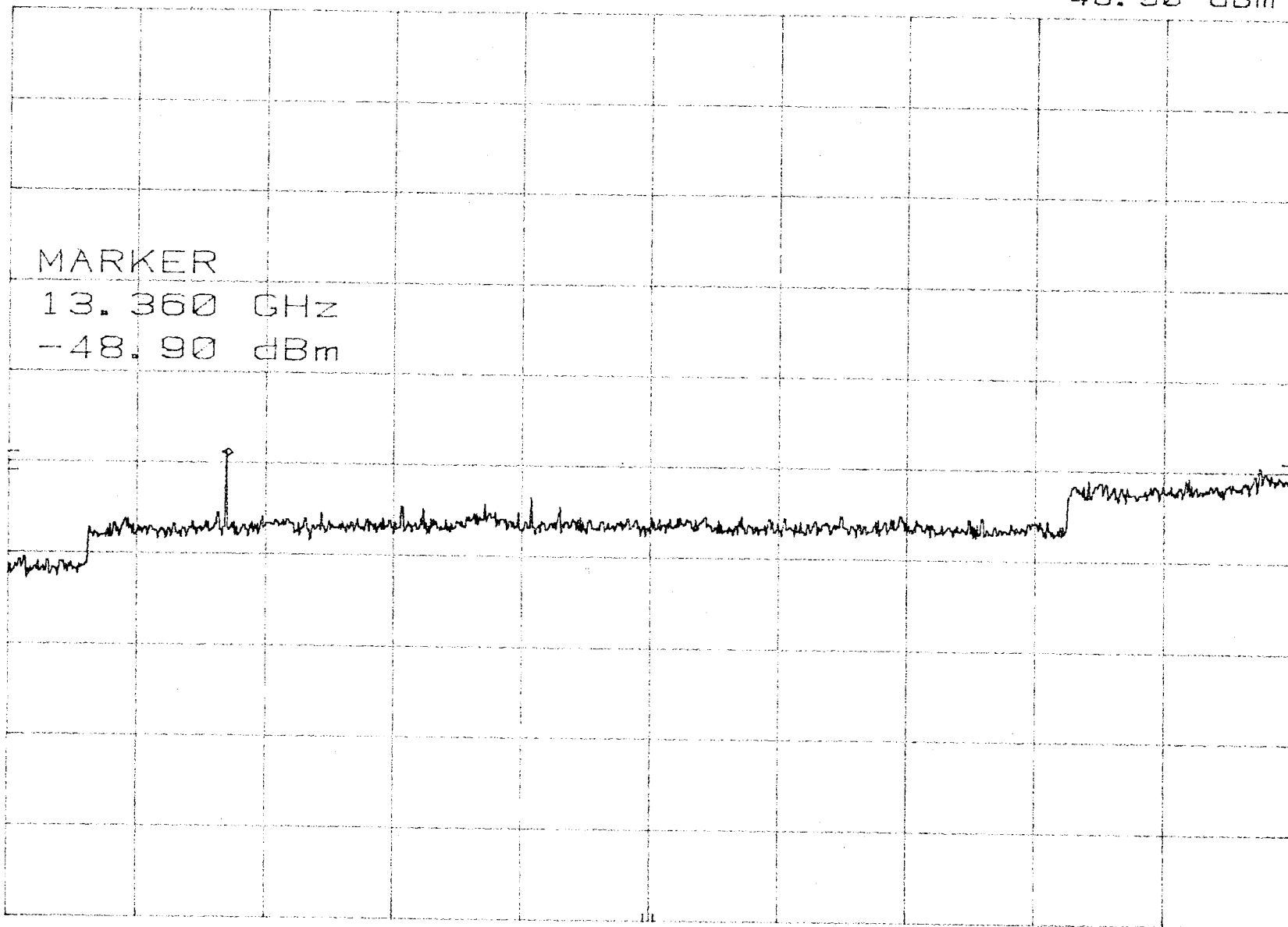
hp  
10 dB/

REF 0.0 dBm

ATTEN 10 dB

MKR 13.360 GHz  
-48.90 dBm

MARKER  
13.360 GHz  
-48.90 dBm



START 12.00 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 20.00 GHz  
SWP 200 msec