

Additional Report

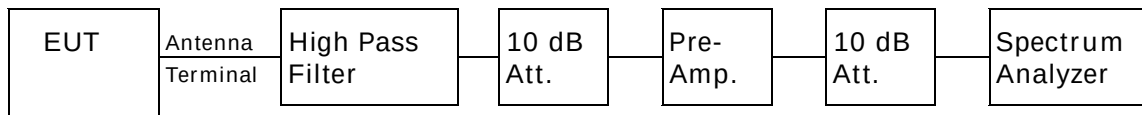
Antenna Conducted Spurious Emission Measurement (§2.1051,§24.238))

-Spurious Emission Except the harmonics frequency-

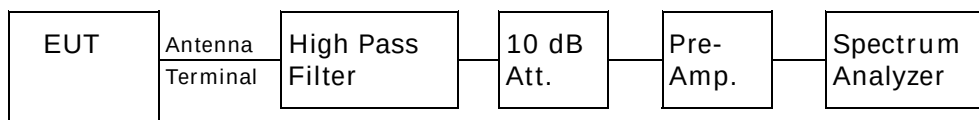
Test Procedure :

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 %

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.

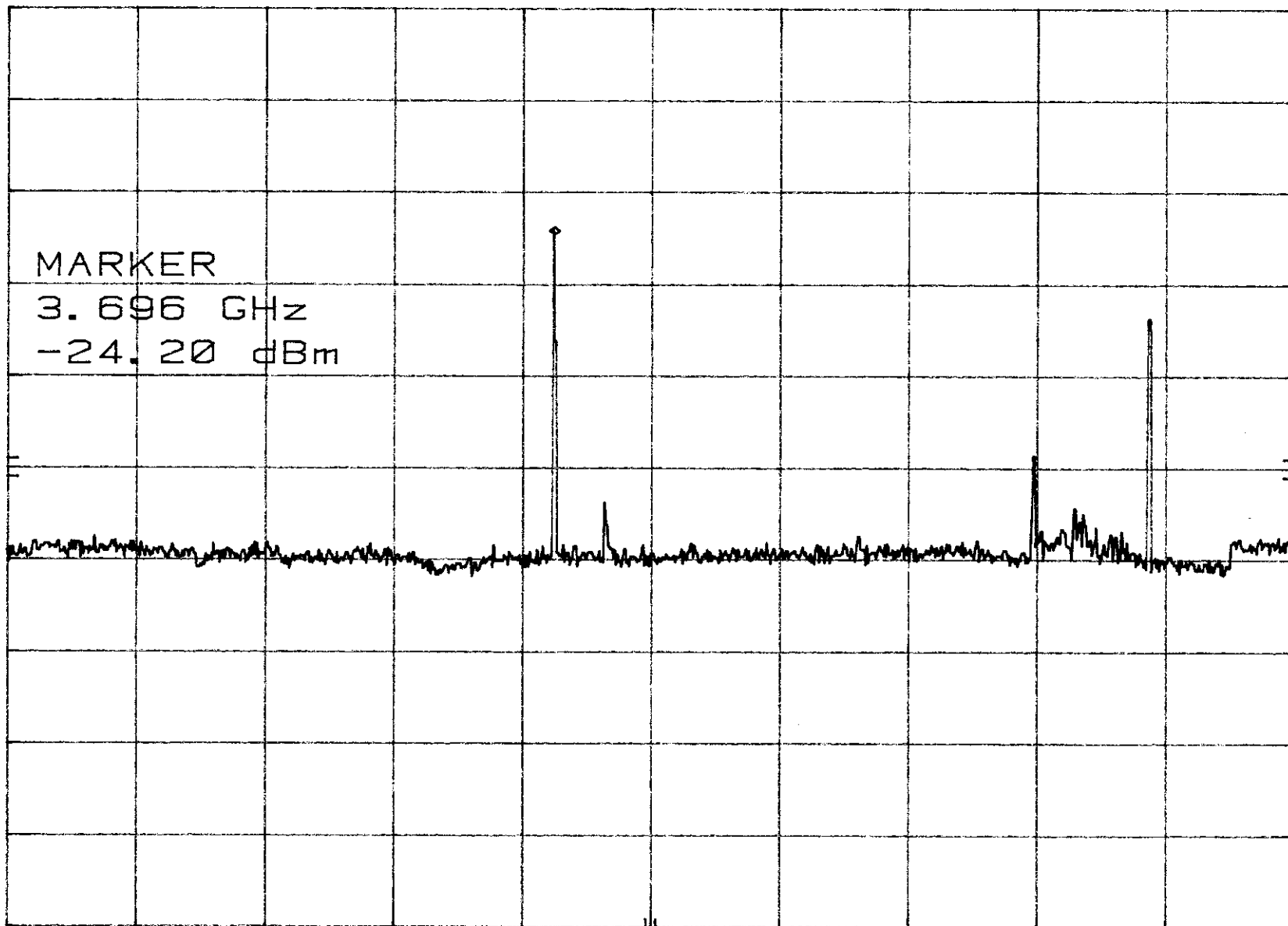
hp
10 dB/

REF 0.0 dBm

ATTEN 10 dB

MKR 3.696 GHz
-24.20 dBm

MARKER
3.696 GHz
-24.20 dBm



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

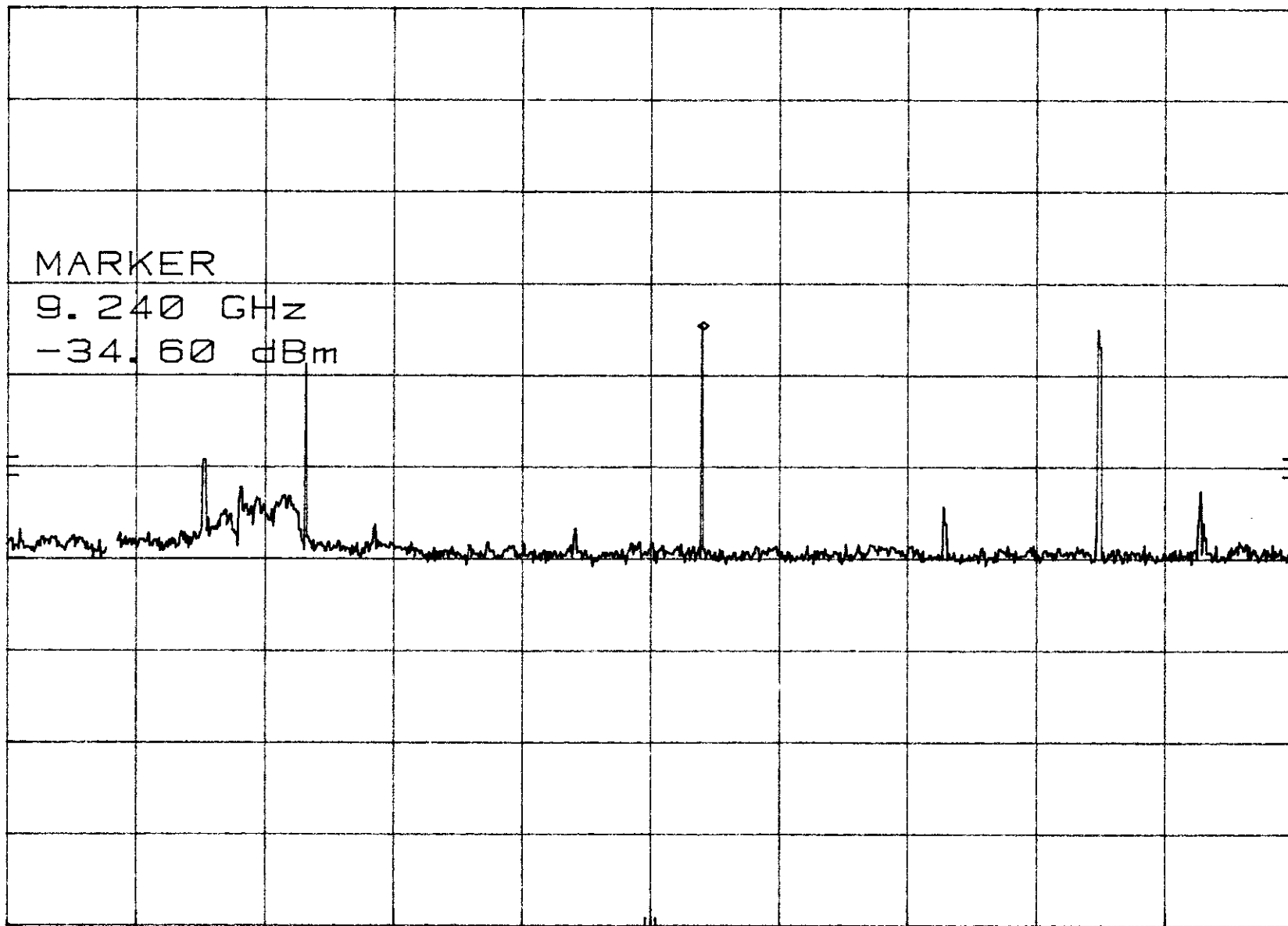
MKR 9.240 GHz
-34.60 dBm

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

ATTEN 10 dB

10 dB/

STOP

20.00 GHz

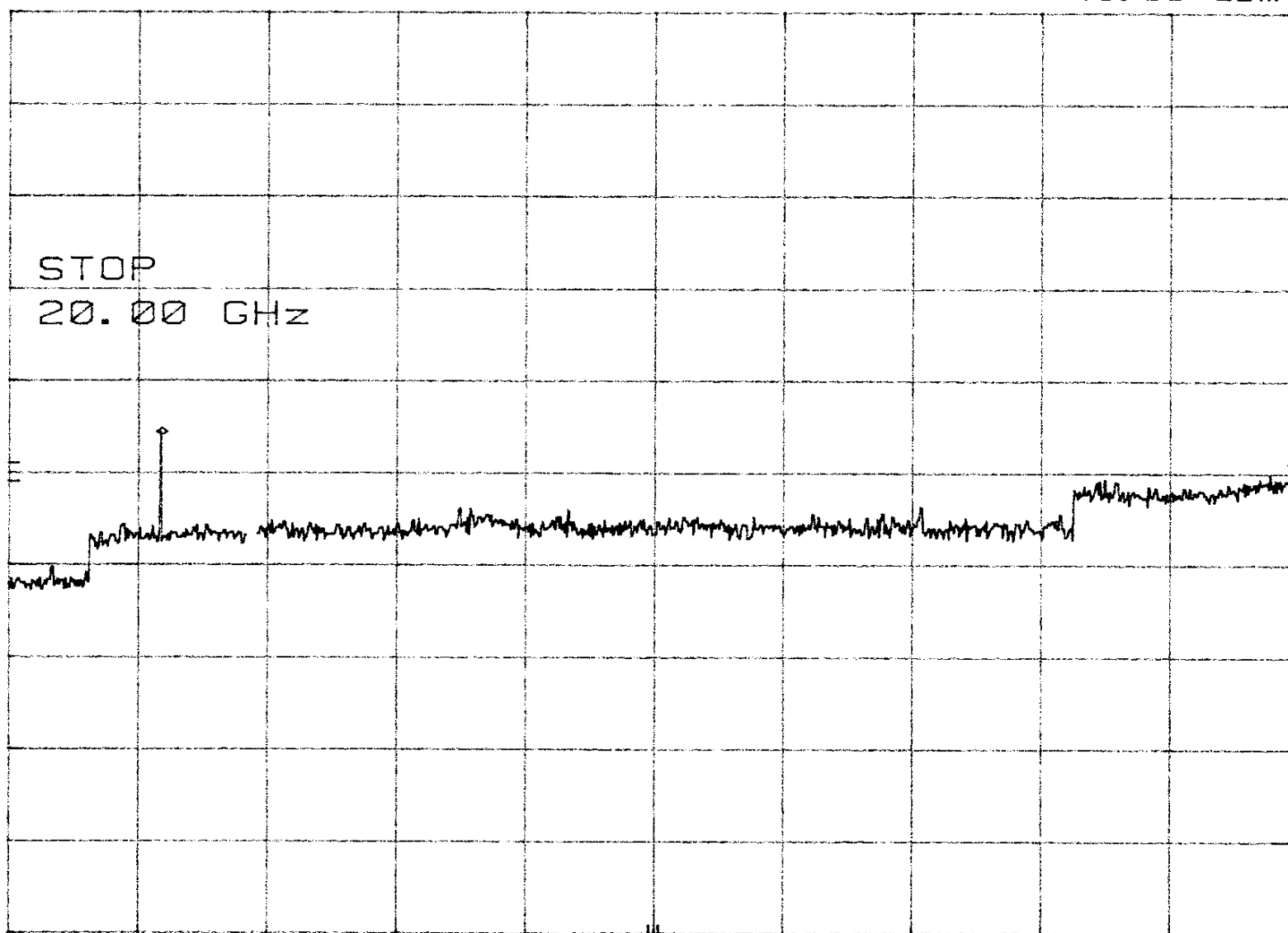
START 12.00 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 20.00 GHz

SWP 200 msec



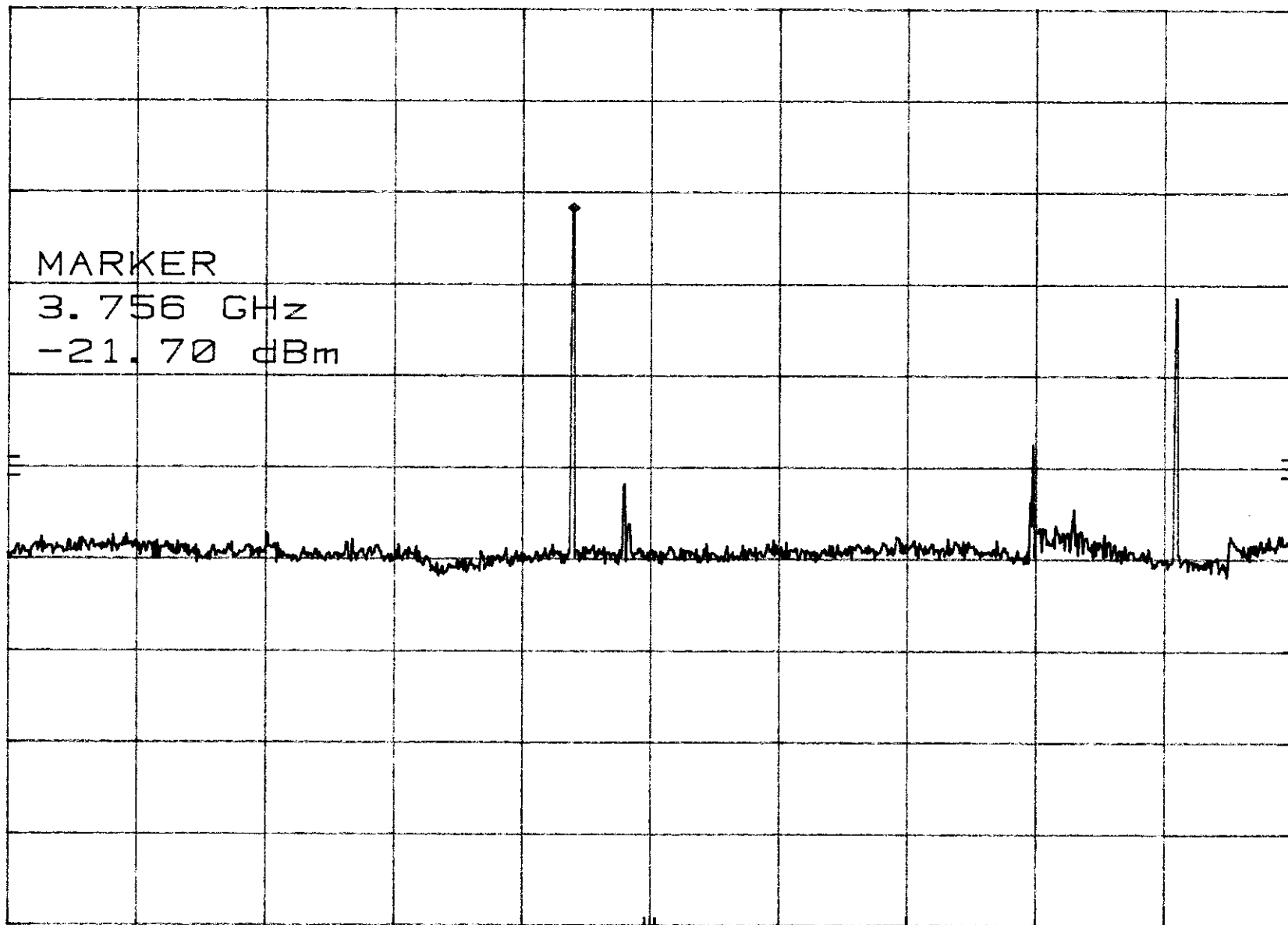
hp
10 dB/

REF 0.0 dBm

ATTEN 10 dB

MKR 3.756 GHz
-21.70 dBm

MARKER
3.756 GHz
-21.70 dBm



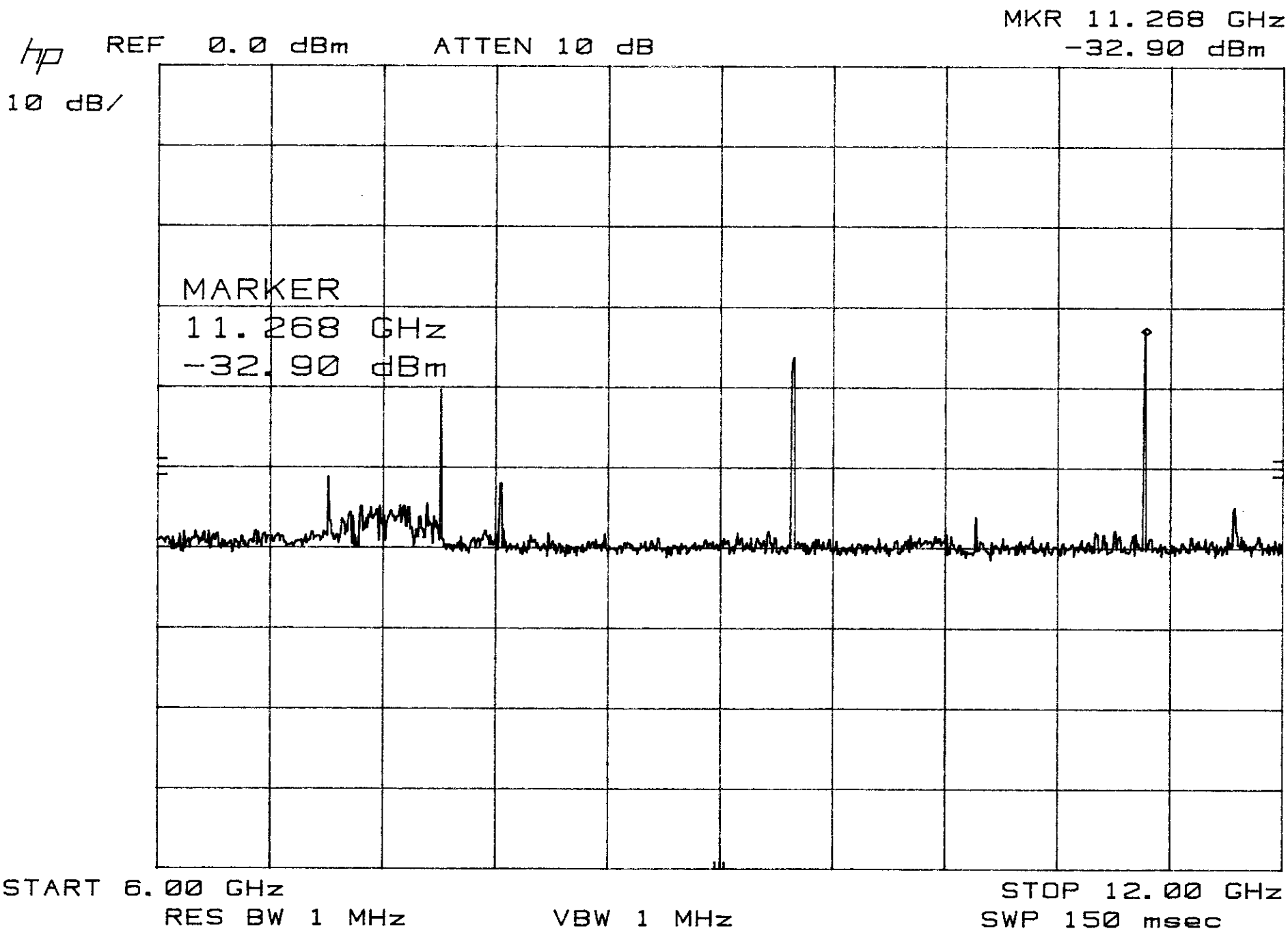
START 2.00 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 6.00 GHz

SWP 100 msec



hp

REF 0.0 dBm

ATTEN 10 dB

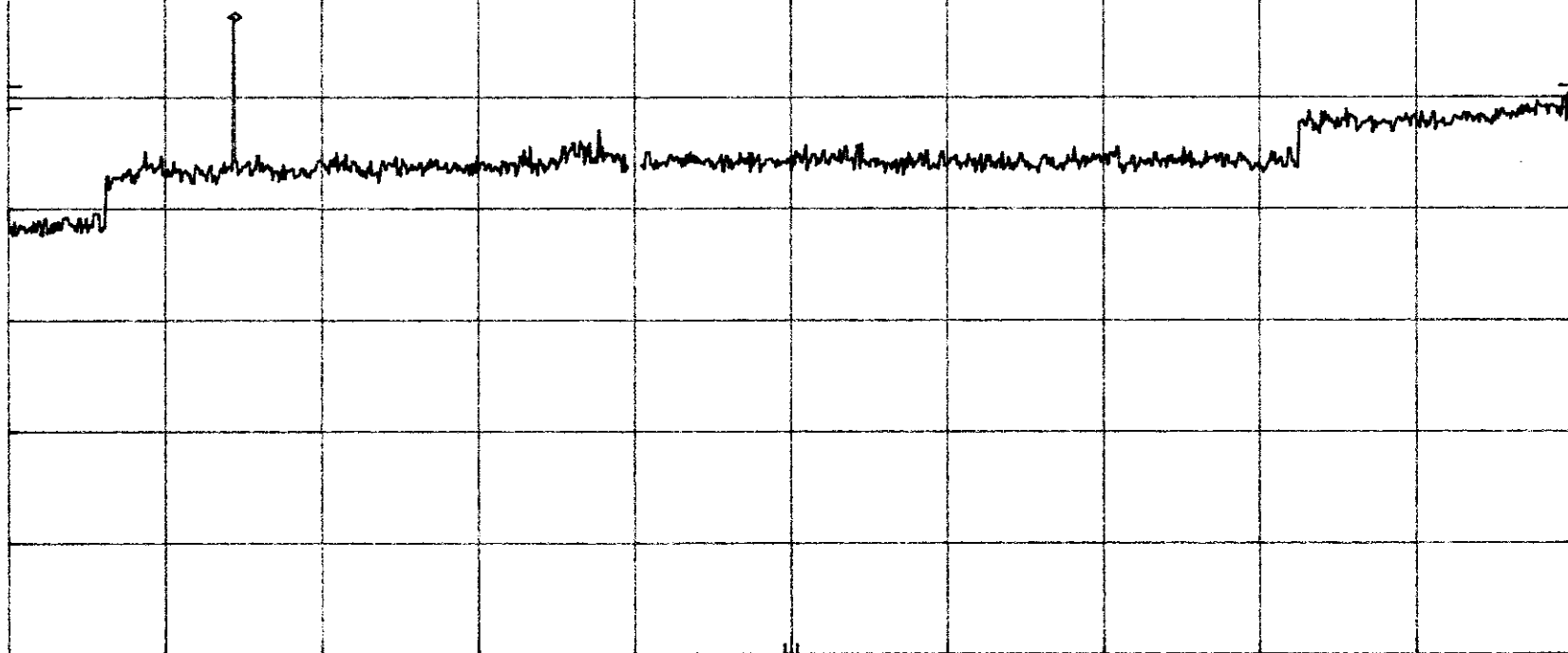
MKR 13.152 GHz

-42.80 dBm

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

