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Don't Forget To Delete Me!

6, 7

#57

WJ SPURIOUS

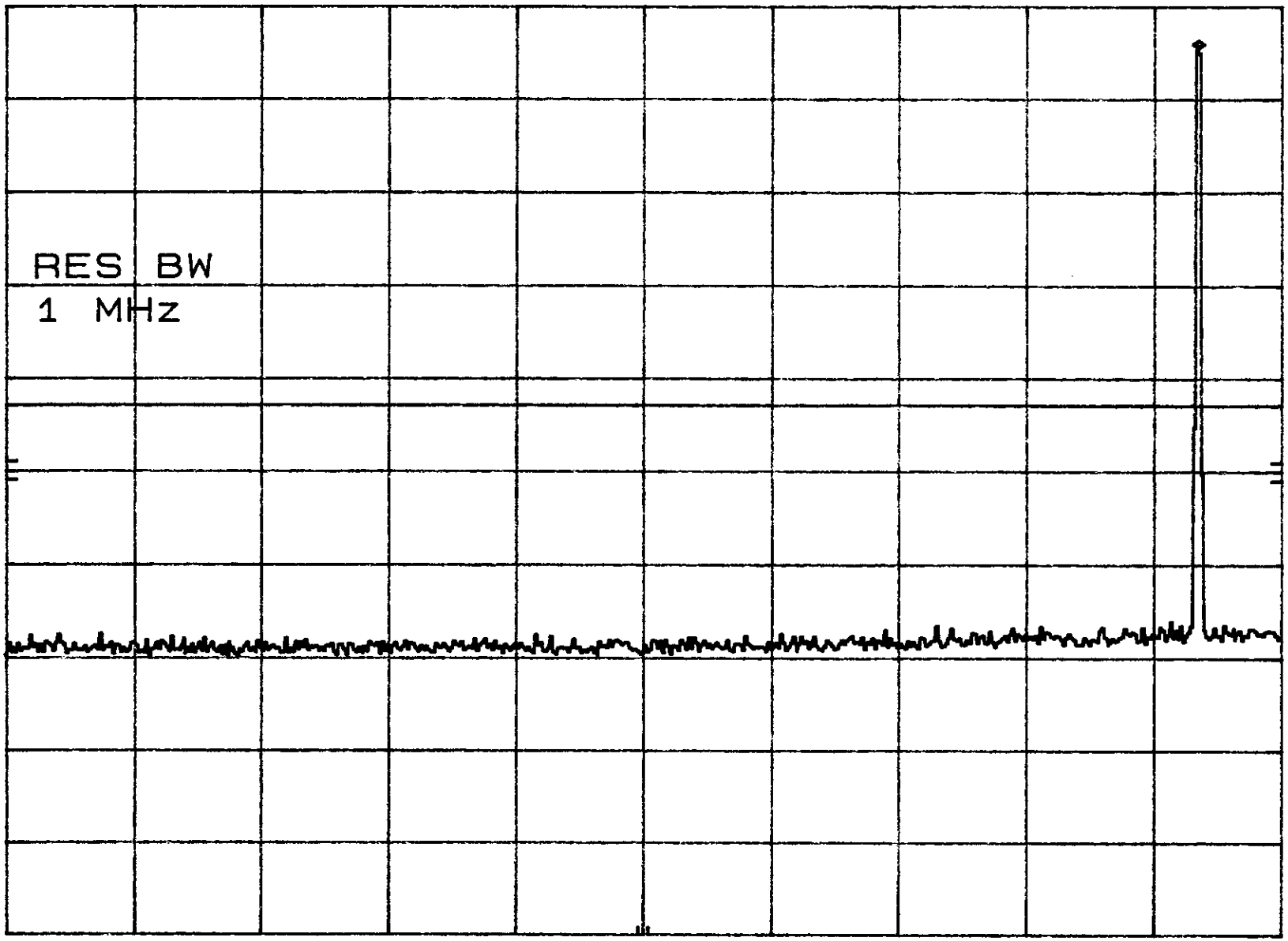
MKR 1.870 GHz

hp REF 30.0 dBm ATTEN 40 dB 26.00 dBm

10 dB/

RES BW
1 MHz

DL
-13.0
dBm



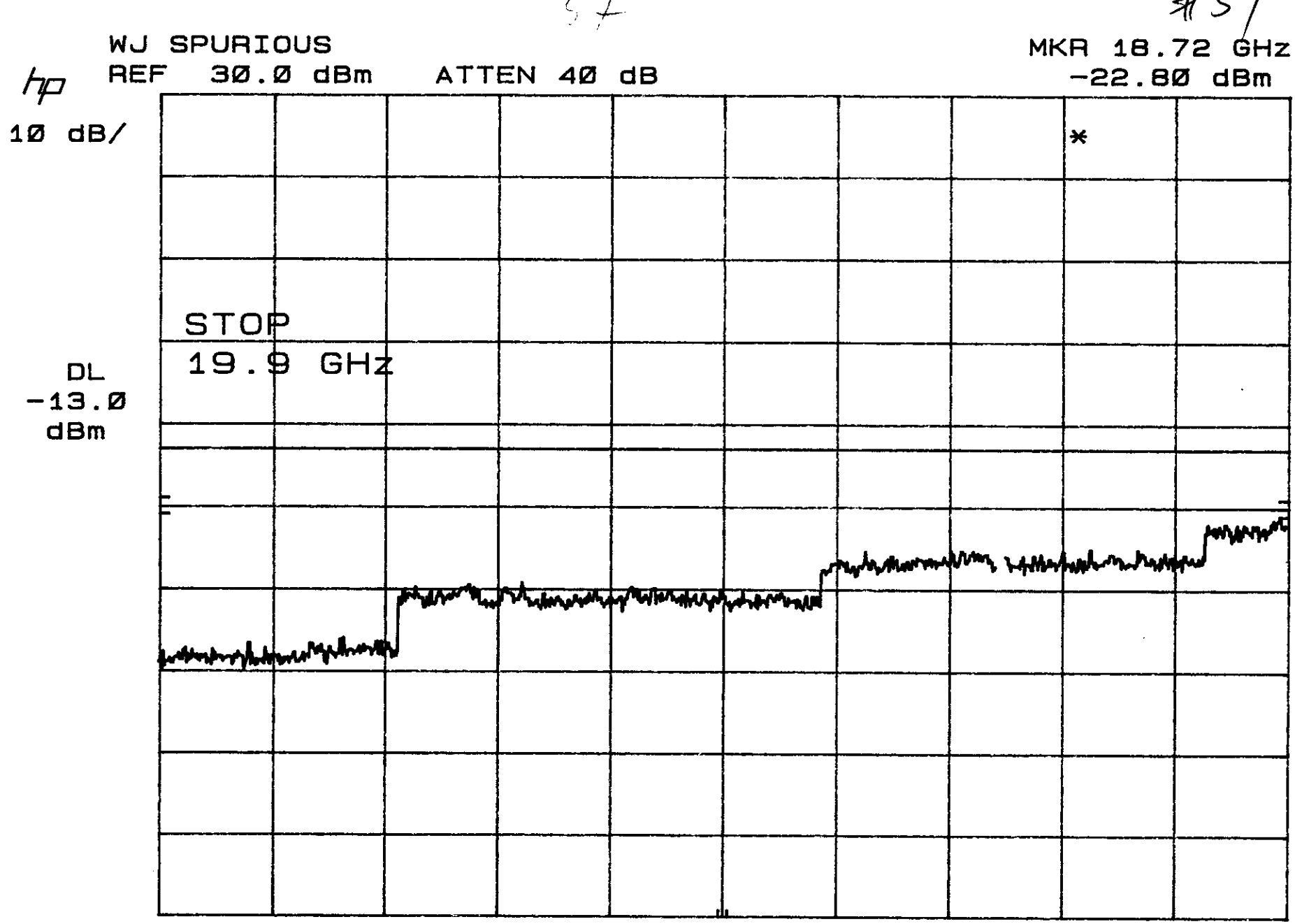
START 30 MHz STOP 2.00 GHz

RES BW 1 MHz VBW 1 MHz SWP 49.3 msec

#57

57

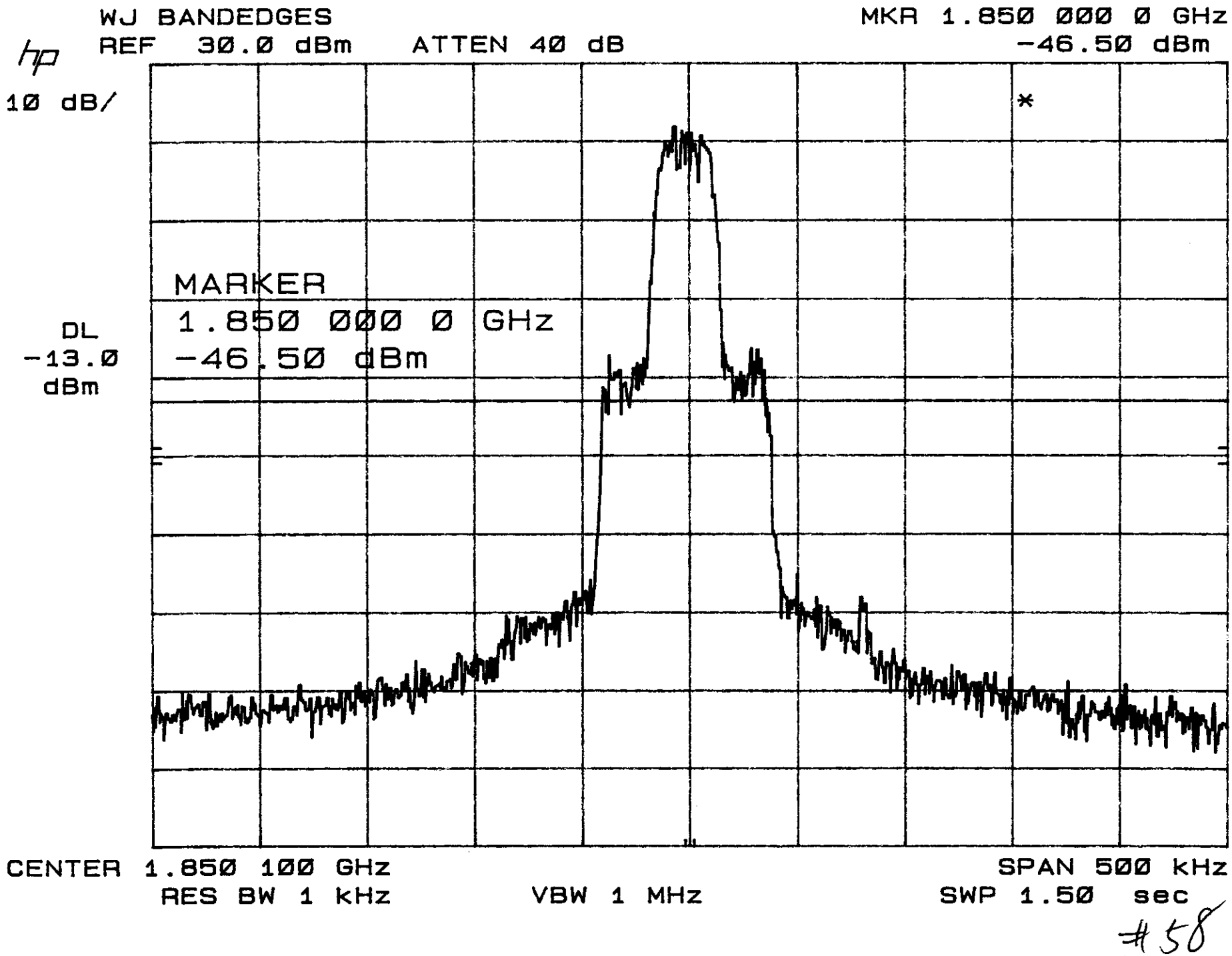
#57


WJ SPURIOUS
REF 30.0 dBm
ATTEN 40 dB
MKR 18.72 GHz
-22.80 dBm
10 dB/
STOP
19.9 GHz
DL
-13.0
dBm
START 2.0 GHz
RES BW 1 MHz
VBW 1 MHz
STOP 19.9 GHz
SWP 448 msec

#57

58

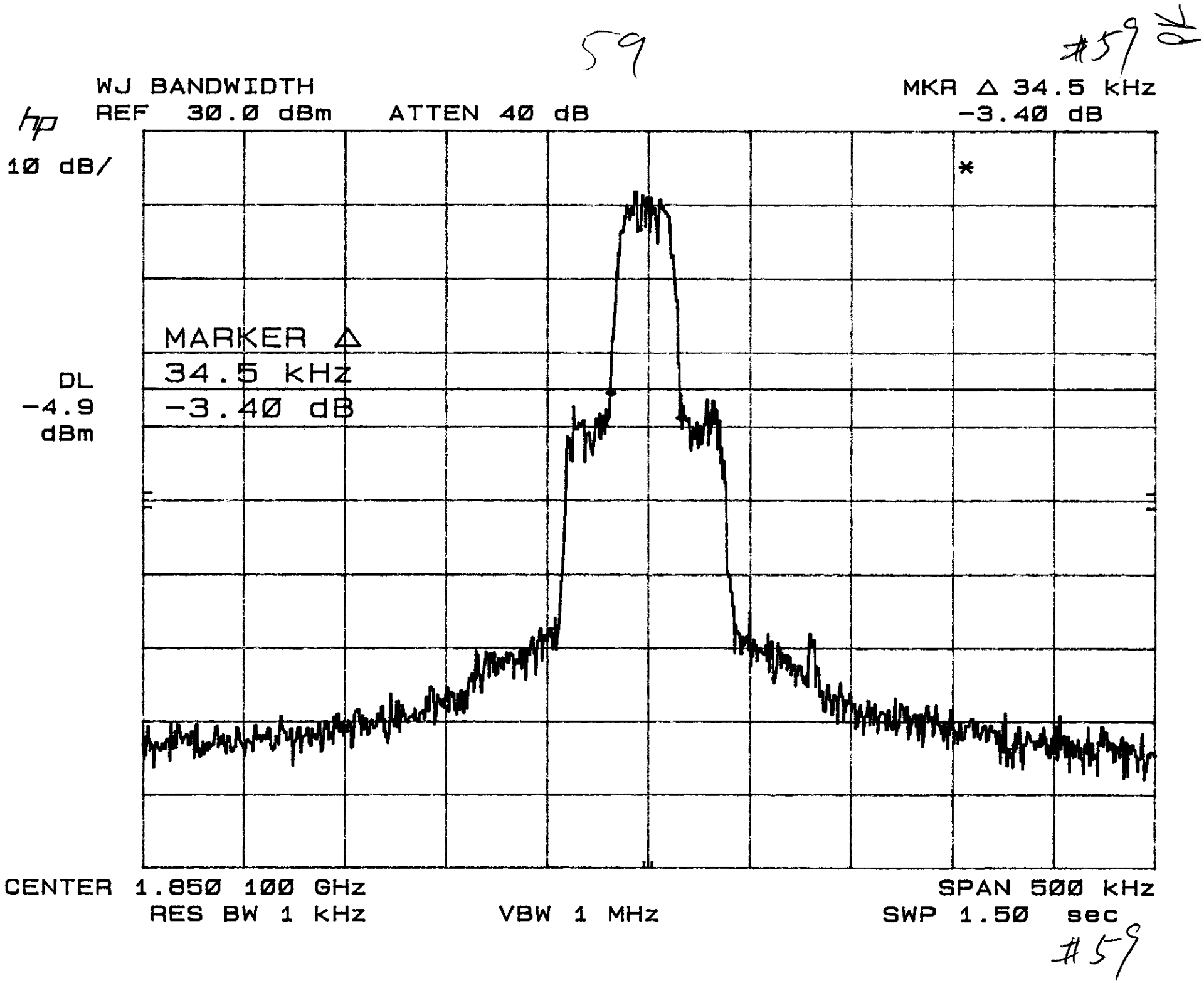
#58


WJ BANDEDGES
MKR 1.850 000 0 GHz
REF 30.0 dBm
ATTEN 40 dB
-46.50 dBm
hp
10 dB/
MARKER
1.850 000 0 GHz
-46.50 dBm
DL
-13.0
dBm
CENTER 1.850 100 GHz
SPAN 500 kHz
RES BW 1 kHz
VBW 1 MHz
SWP 1.50 sec

#58

59

#59 OK


WJ BANDWIDTH
REF 30.0 dBm
ATTEN 40 dB
MKR Δ 34.5 kHz
-3.40 dB
10 dB/
MARKER Δ
34.5 kHz
-3.40 dB
DL
-4.9
dBm
CENTER 1.850 100 GHz
SPAN 500 kHz
RES BW 1 kHz
VBW 1 MHz
SWP 1.50 sec

#59

60

#60

WJ SPURIOUS

hp REF 30.0 dBm ATTEN 40 dB

10 dB/

STOP
19.9 GHz

DL
-13.0
dBm

START 2.0 GHz

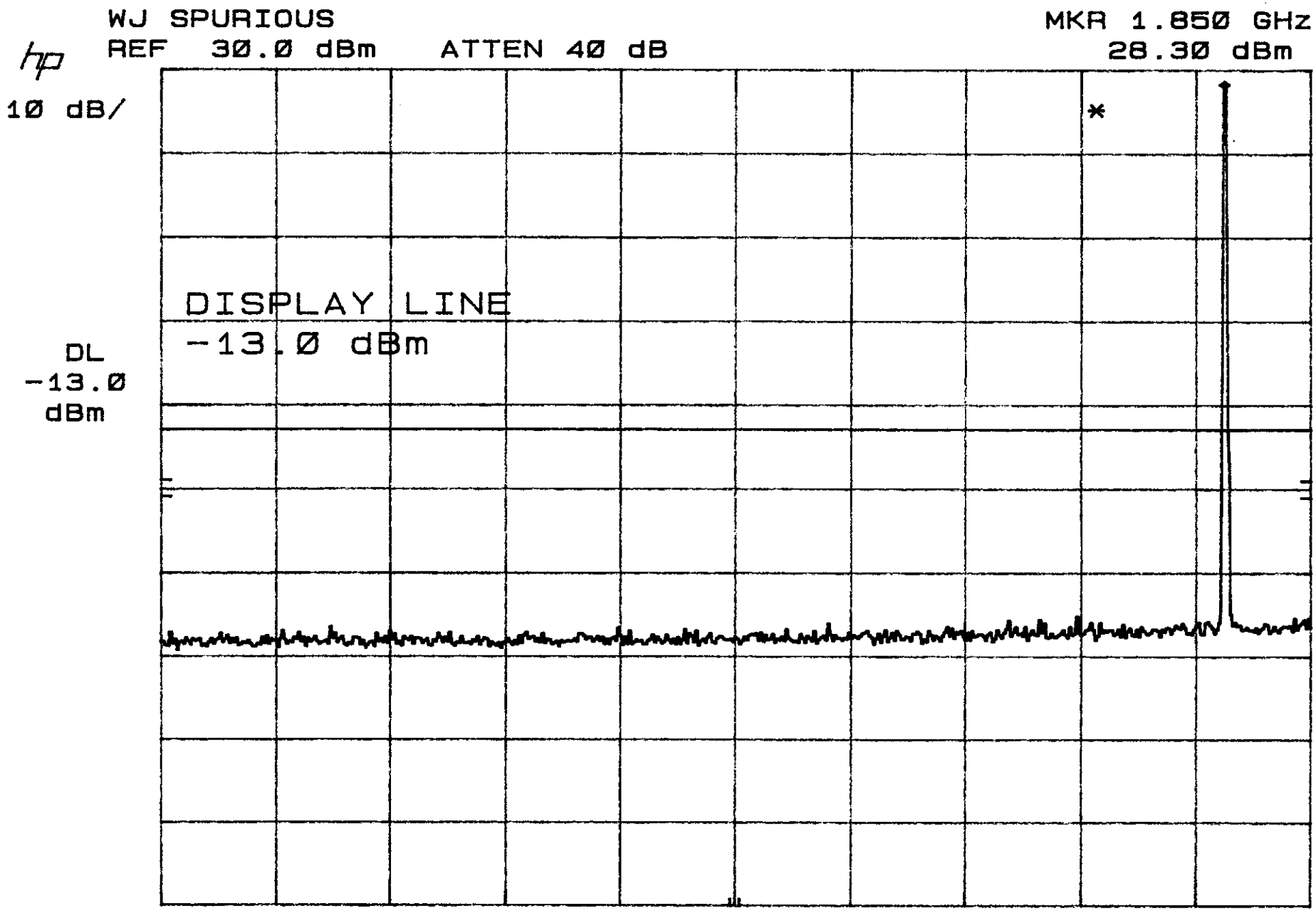
RES BW 1 MHz VBW 1 MHz SWP 448 msec

STOP 19.9 GHz

#60

60

#60


WJ SPURIOUS
REF 30.0 dBm
ATTEN 40 dB
MKR 1.850 GHz
28.30 dBm
hp
10 dB/
DISPLAY LINE
-13.0 dBm
DL
-13.0
dBm
START 30 MHz
RES BW 1 MHz
VBW 1 MHz
STOP 2.00 GHz
SWP 49.3 msec

#60

61

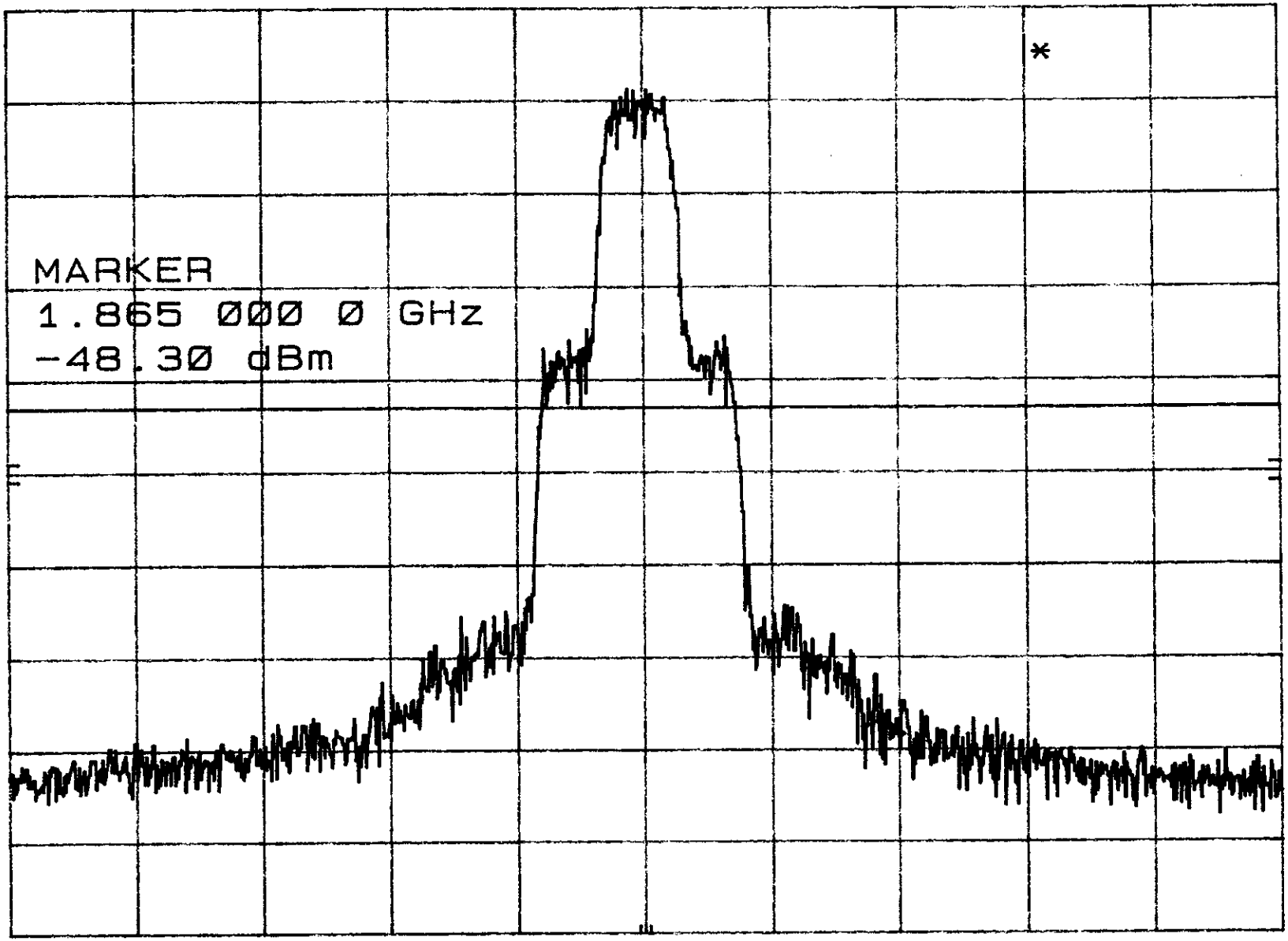
#61

WB BANDEDGES
REF 30.0 dBm ATTEN 40 dB
MKR 1.865 000 0 GHz
-48.30 dBm

hp

10 dB/

DL
-13.0
dBm

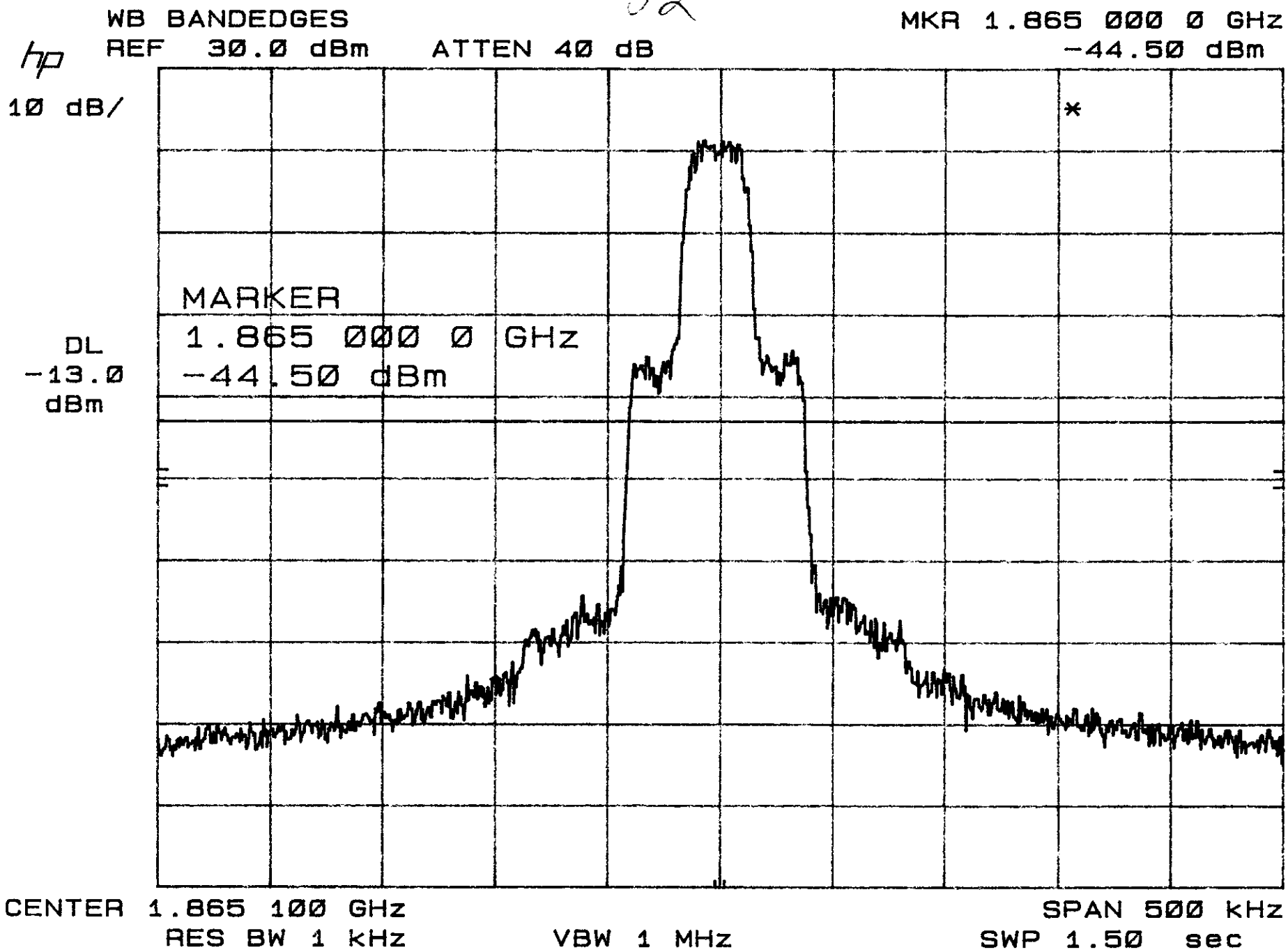


CENTER 1.864 900 GHz
RES BW 1 kHz
VBW 1 MHz
SPAN 500 kHz
SWP 1.50 sec

#61

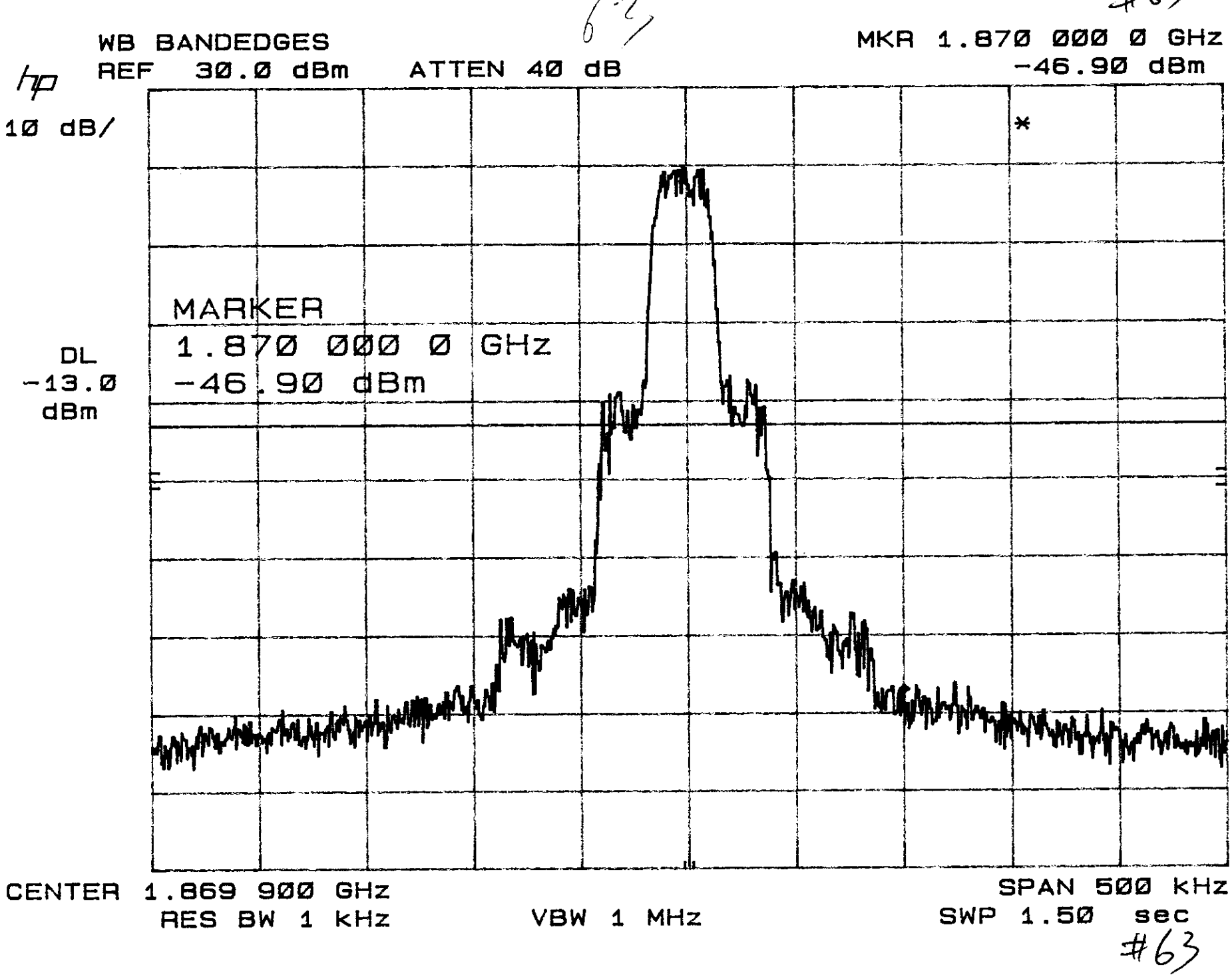
62

#62


WB BANDEDGES
REF 30.0 dBm
ATTEN 40 dB
MKR 1.865 000 0 GHz
-44.50 dBm
10 dB/
MARKER
1.865 000 0 GHz
-44.50 dBm
DL
-13.0
dBm
CENTER 1.865 100 GHz
RES BW 1 kHz
VBW 1 MHz
SPAN 500 kHz
SWP 1.50 sec

#62

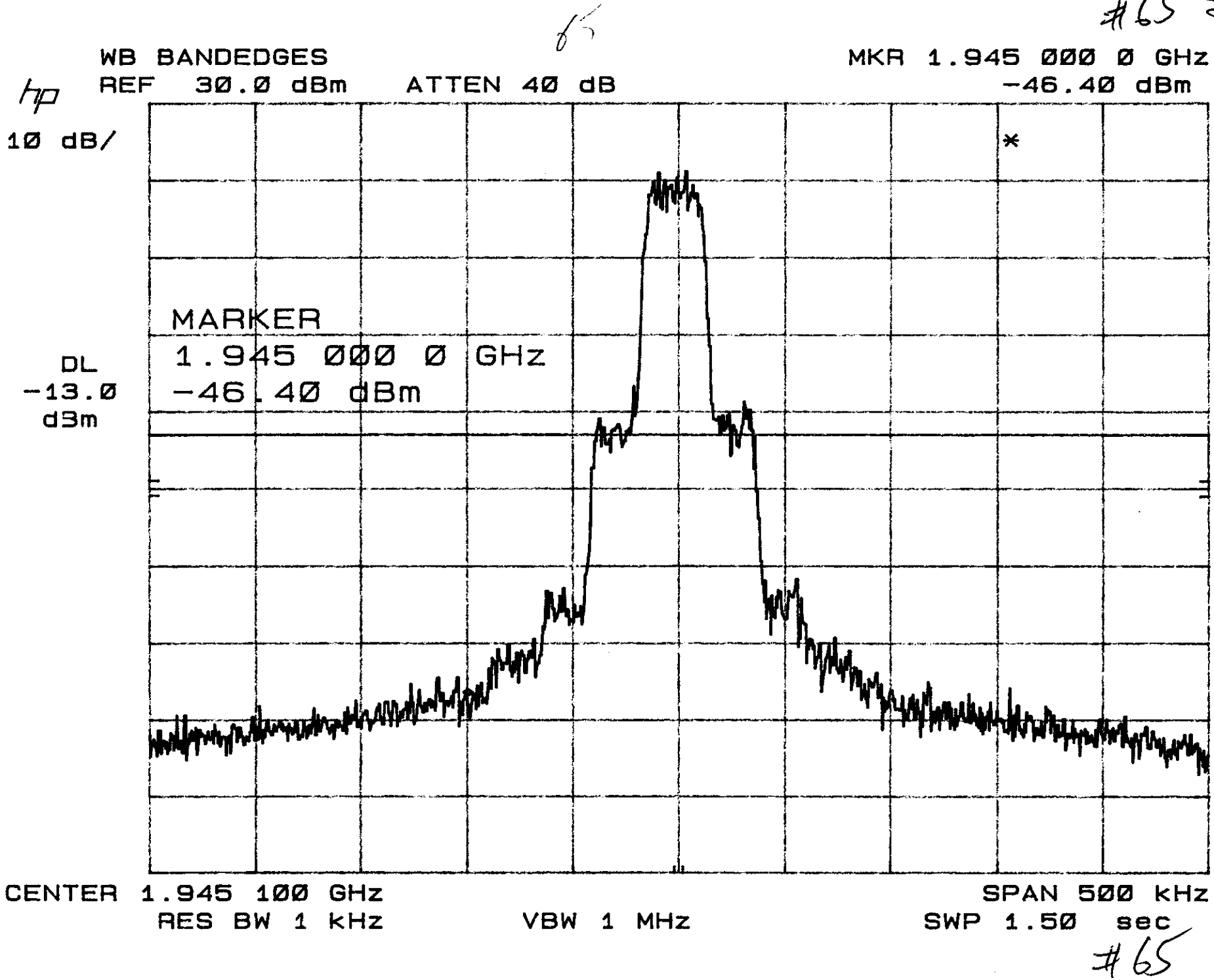
#63


WB BANDEDGES
REF 30.0 dBm
ATTEN 40 dB
MKR 1.870 000 0 GHz
-46.90 dBm
hp
10 dB/
MARKER
1.870 000 0 GHz
-46.90 dBm
DL
-13.0
dBm
CENTER 1.869 900 GHz
RES BW 1 kHz
VBW 1 MHz
SPAN 500 kHz
SWP 1.50 sec

#63

#65

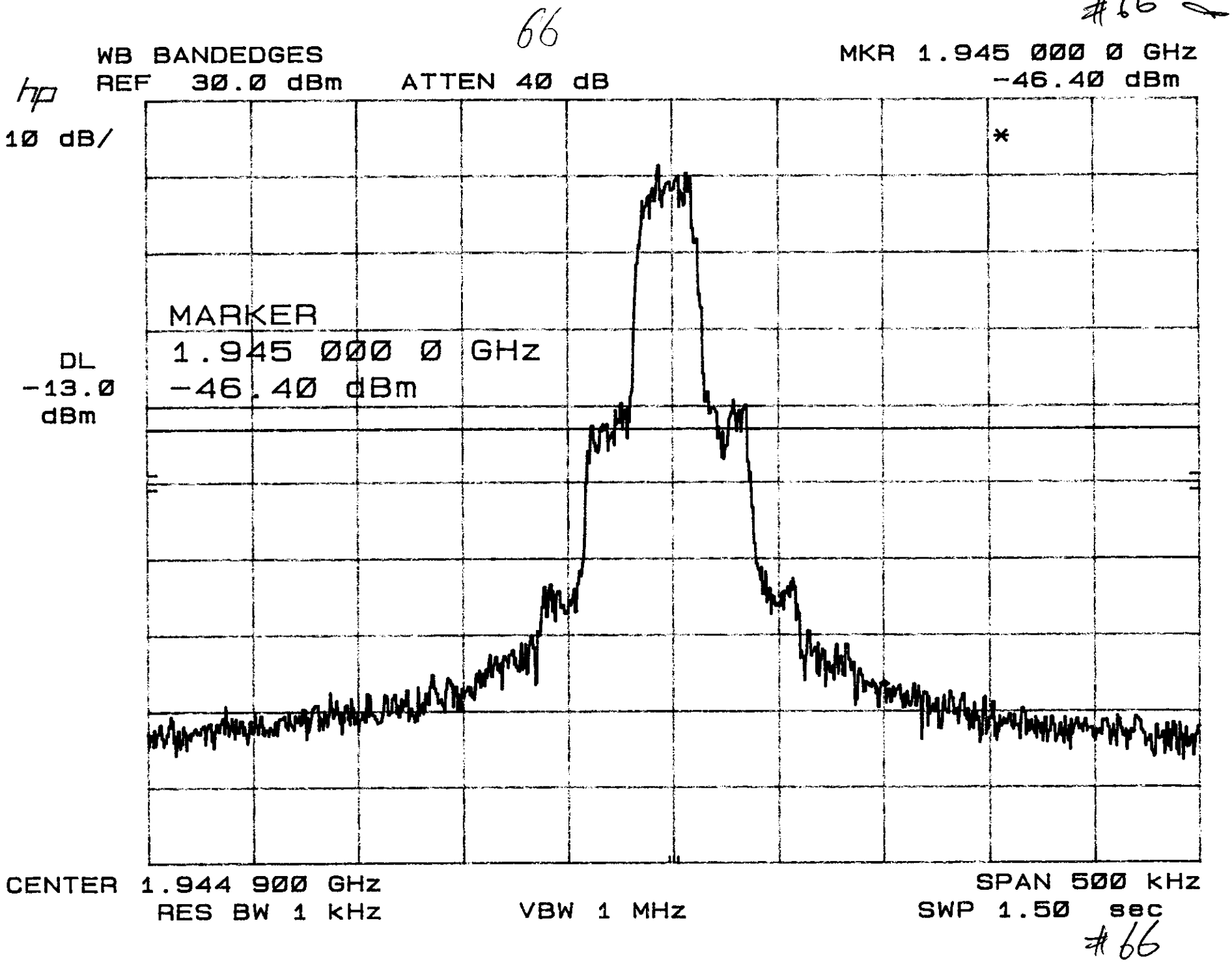
65


WB BANDEDGES
MKR 1.945 000 0 GHz
REF 30.0 dBm
ATTEN 40 dB
-46.40 dBm
hp
10 dB/
MARKER
1.945 000 0 GHz
-46.40 dBm
DL
-13.0
dBm
CENTER 1.945 100 GHz
SPAN 500 kHz
RES BW 1 kHz
VBW 1 MHz
SWP 1.50 sec

#65

66

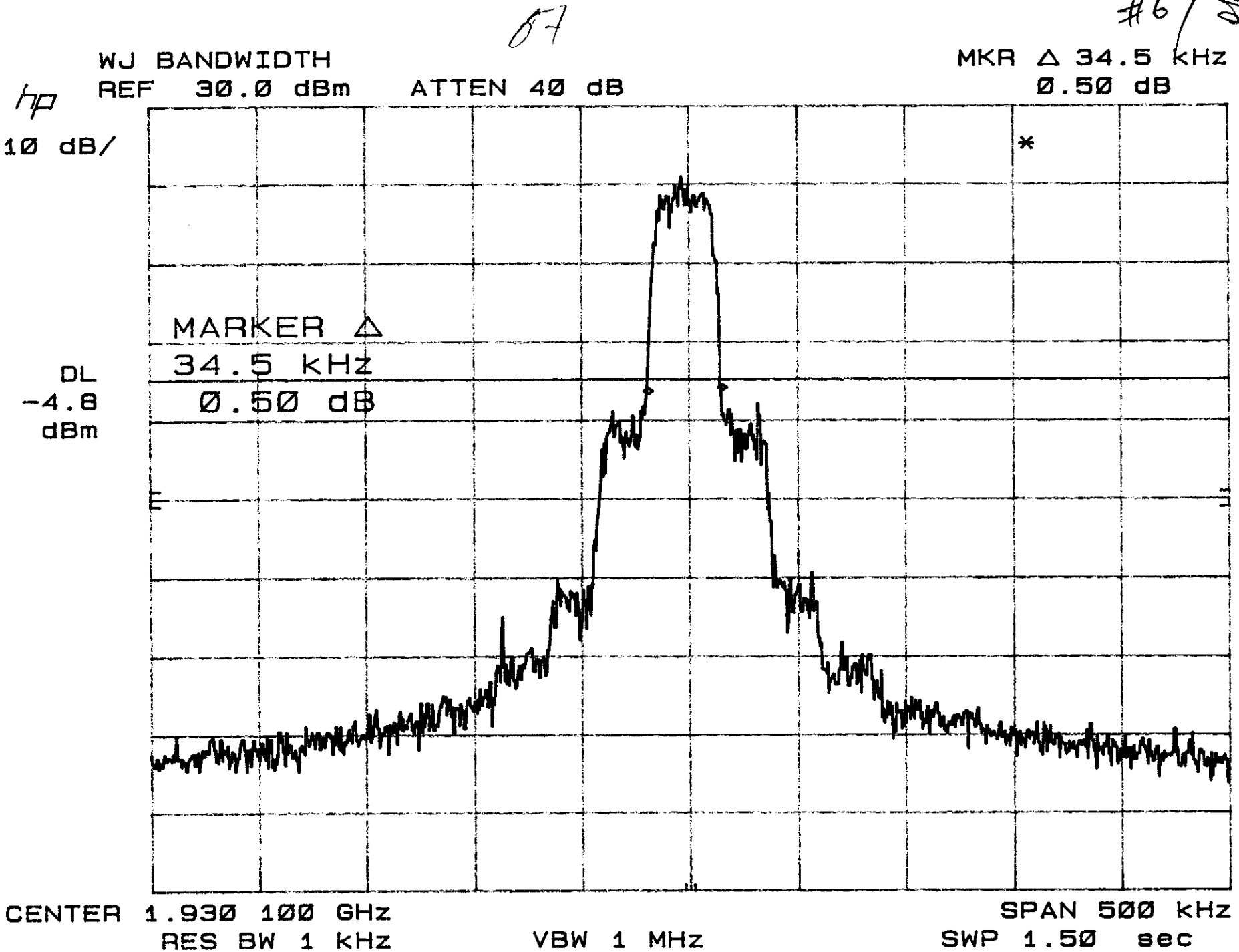
#66 pk


WB BANDEDGES
REF 30.0 dBm
ATTEN 40 dB
MKR 1.945 000 0 GHz
-46.40 dBm
10 dB/
MARKER
1.945 000 0 GHz
-46.40 dBm
DL
-13.0
dBm
CENTER 1.944 900 GHz
RES BW 1 kHz
VBW 1 MHz
SPAN 500 kHz
SWP 1.50 sec

#66

67

#67


WJ BANDWIDTH
REF 30.0 dBm
ATTEN 40 dB
MKR Δ 34.5 kHz
0.50 dB
hp
10 dB/
MARKER Δ
34.5 kHz
0.50 dB
DL
-4.8
dBm
CENTER 1.930 100 GHz
RES BW 1 kHz
VBW 1 MHz
SPAN 500 kHz
SWP 1.50 sec

#67

68

#68

WJ SPURIOUS

MKR 1.933 GHz

hp REF 30.0 dBm ATTEN 40 dB 27.40 dBm

10 dB/

DISPLAY LINE
-13.0 dBm

DL
-13.0
dBm

START 30 MHz STOP 2.00 GHz

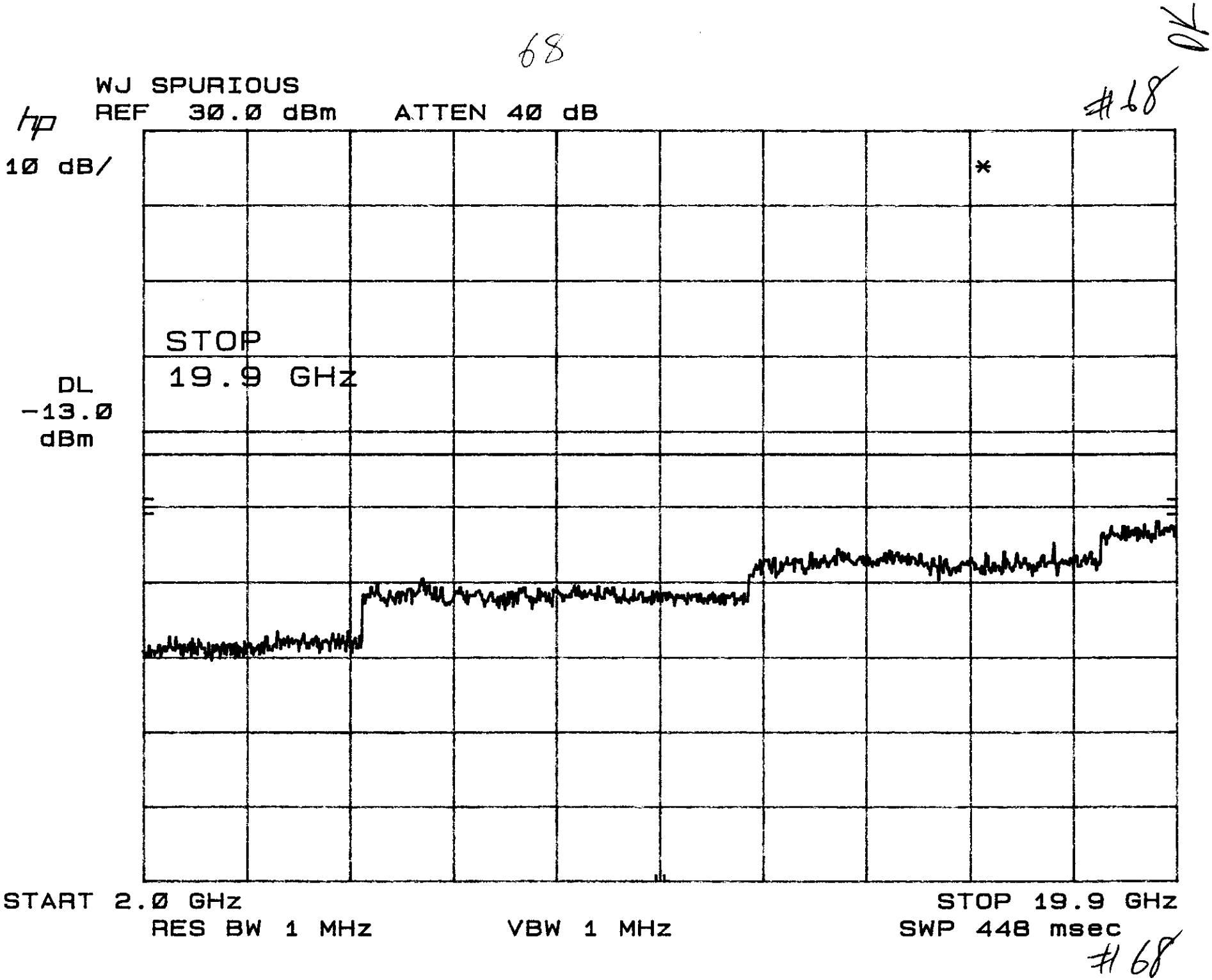
RES BW 1 MHz VBW 1 MHz SWP 49.3 msec

#68

68

OK

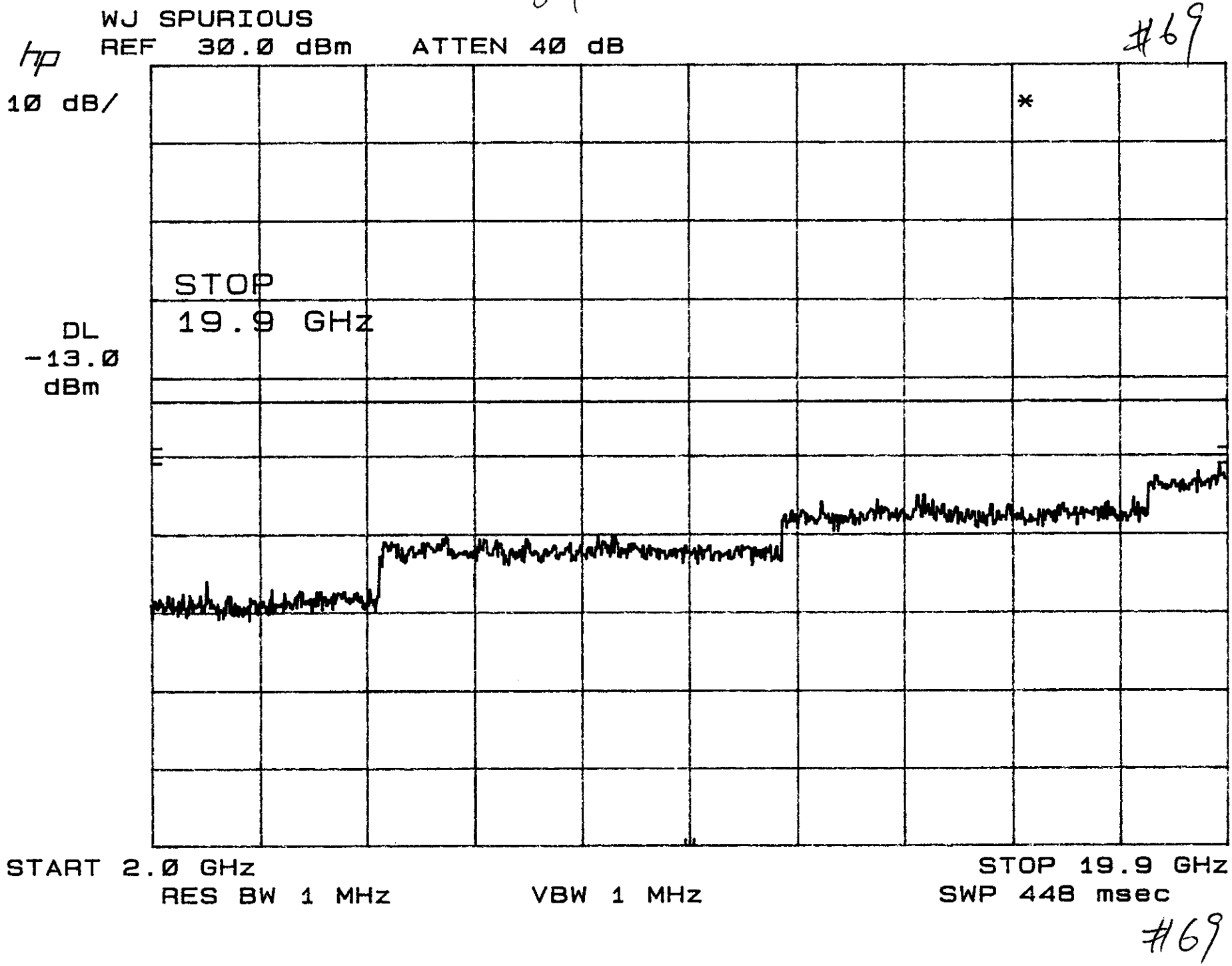
#68


WJ SPURIOUS
REF 30.0 dBm
ATTEN 40 dB
10 dB/
STOP
19.9 GHz
DL
-13.0
dBm
START 2.0 GHz
STOP 19.9 GHz
RES BW 1 MHz
VBW 1 MHz
SWP 448 msec

#68

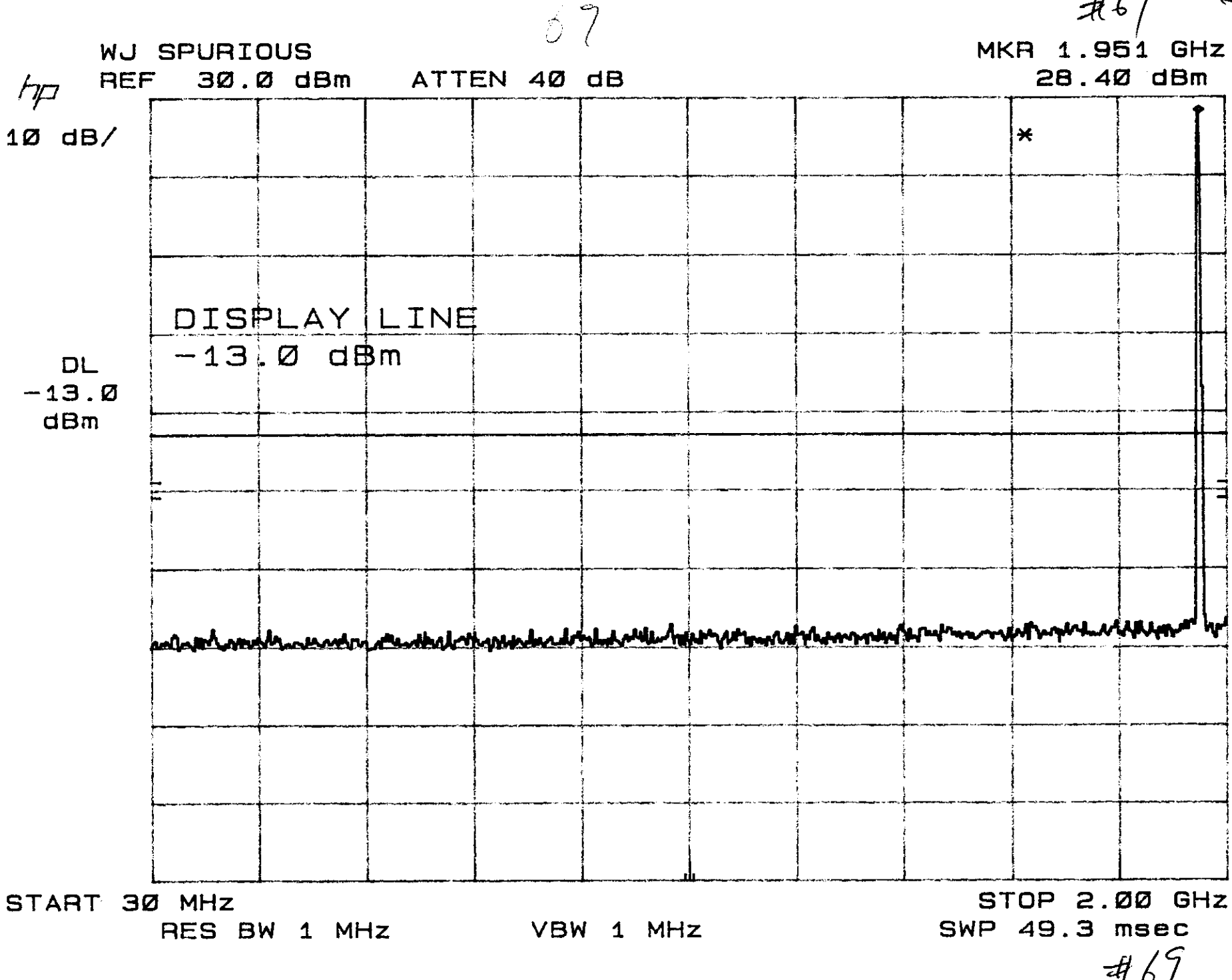
69

OK

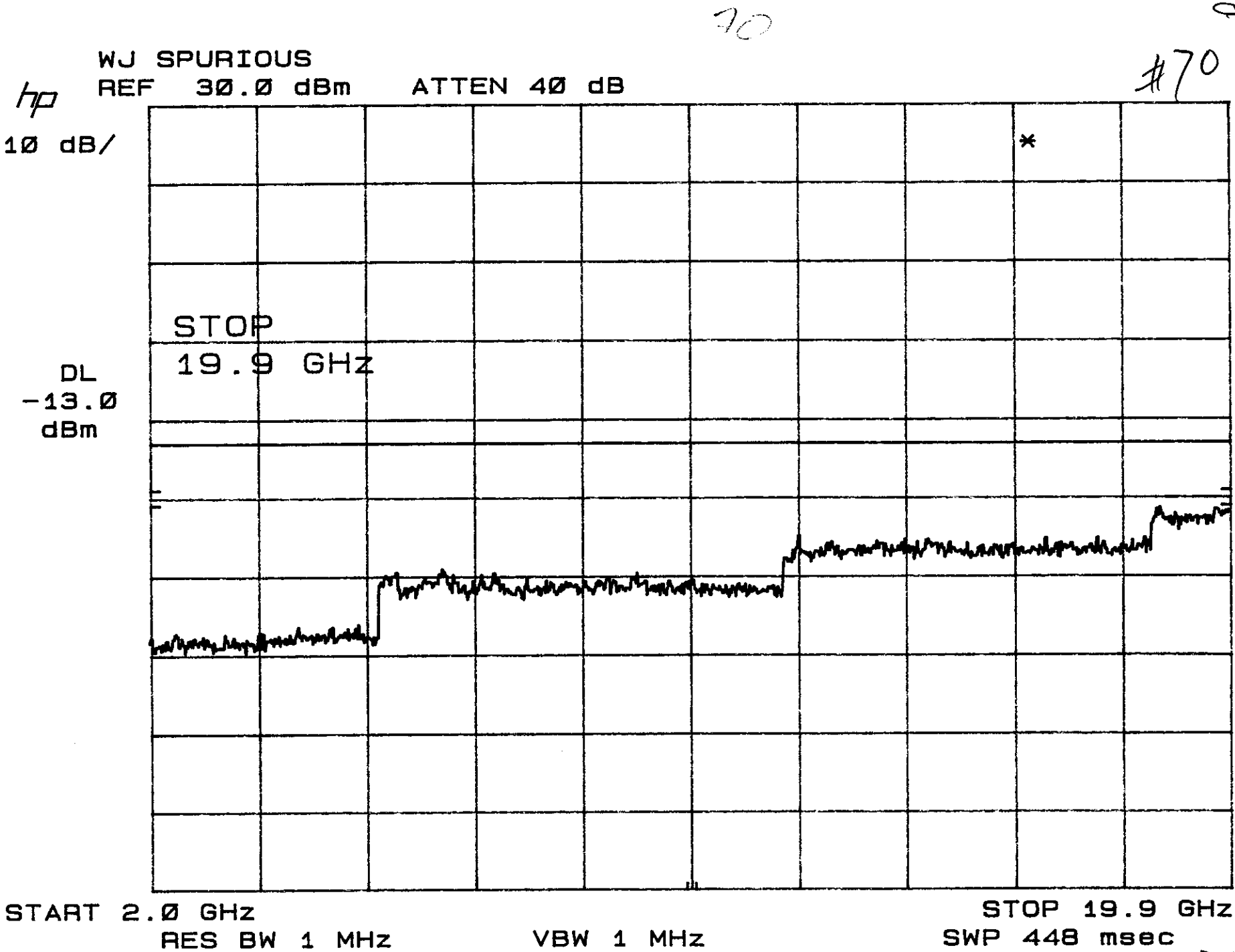

WJ SPURIOUS
REF 30.0 dBm
ATTEN 40 dB
#69
hp
10 dB/
STOP
19.9 GHz
DL
-13.0
dBm
START 2.0 GHz
STOP 19.9 GHz
RES BW 1 MHz
VBW 1 MHz
SWP 448 msec

#69

#69

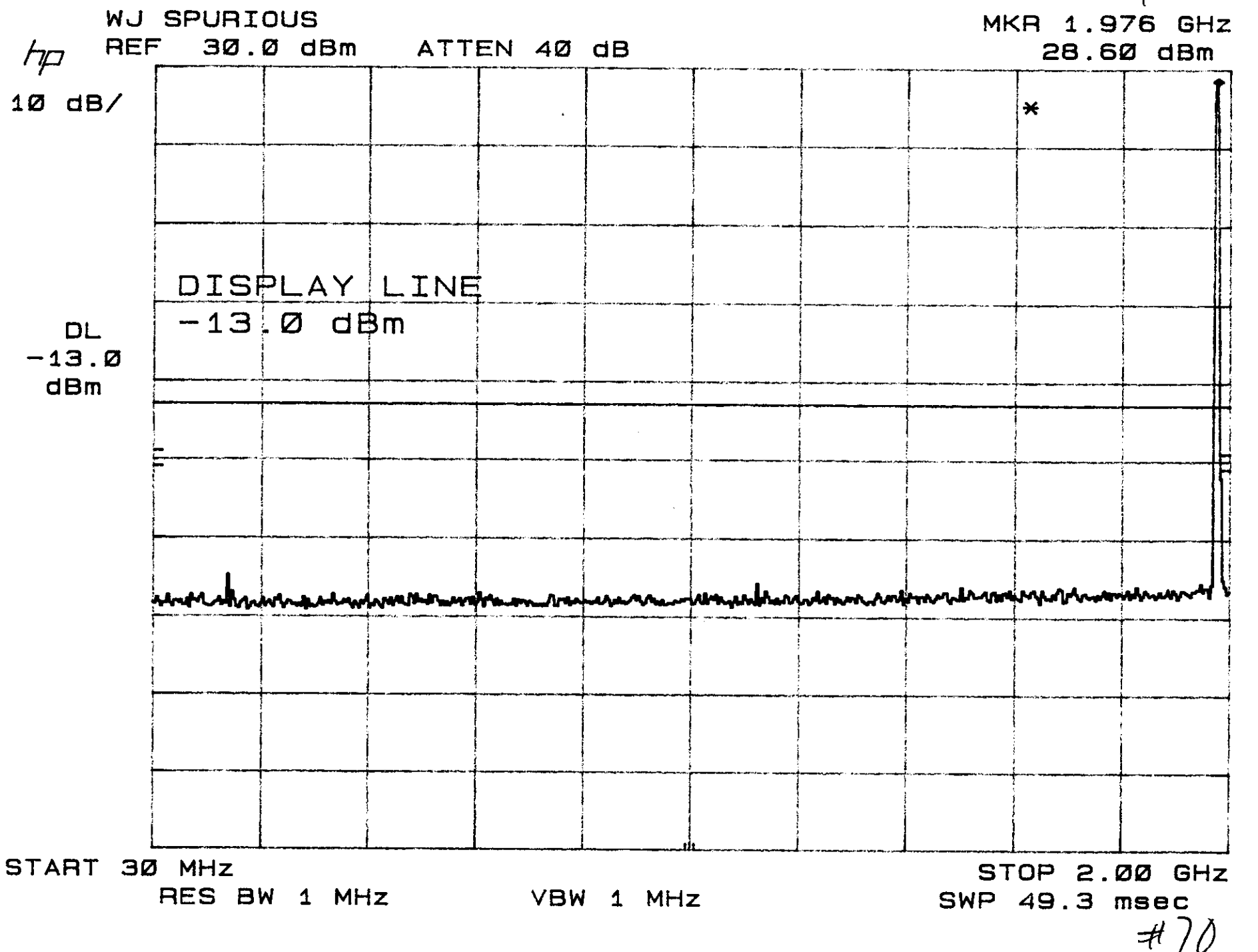

WJ SPURIOUS
REF 30.0 dBm
ATTEN 40 dB
MKR 1.951 GHz
28.40 dBm
10 dB/
DISPLAY LINE
-13.0 dBm
DL
-13.0
dBm
START 30 MHz
RES BW 1 MHz
VBW 1 MHz
STOP 2.00 GHz
SWP 49.3 msec

#69


WJ SPURIOUS
REF 30.0 dBm
ATTEN 40 dB
10 dB/
STOP
19.9 GHz
DL
-13.0
dBm
START 2.0 GHz
RES BW 1 MHz
VBW 1 MHz
STOP 19.9 GHz
SWP 448 msec

70

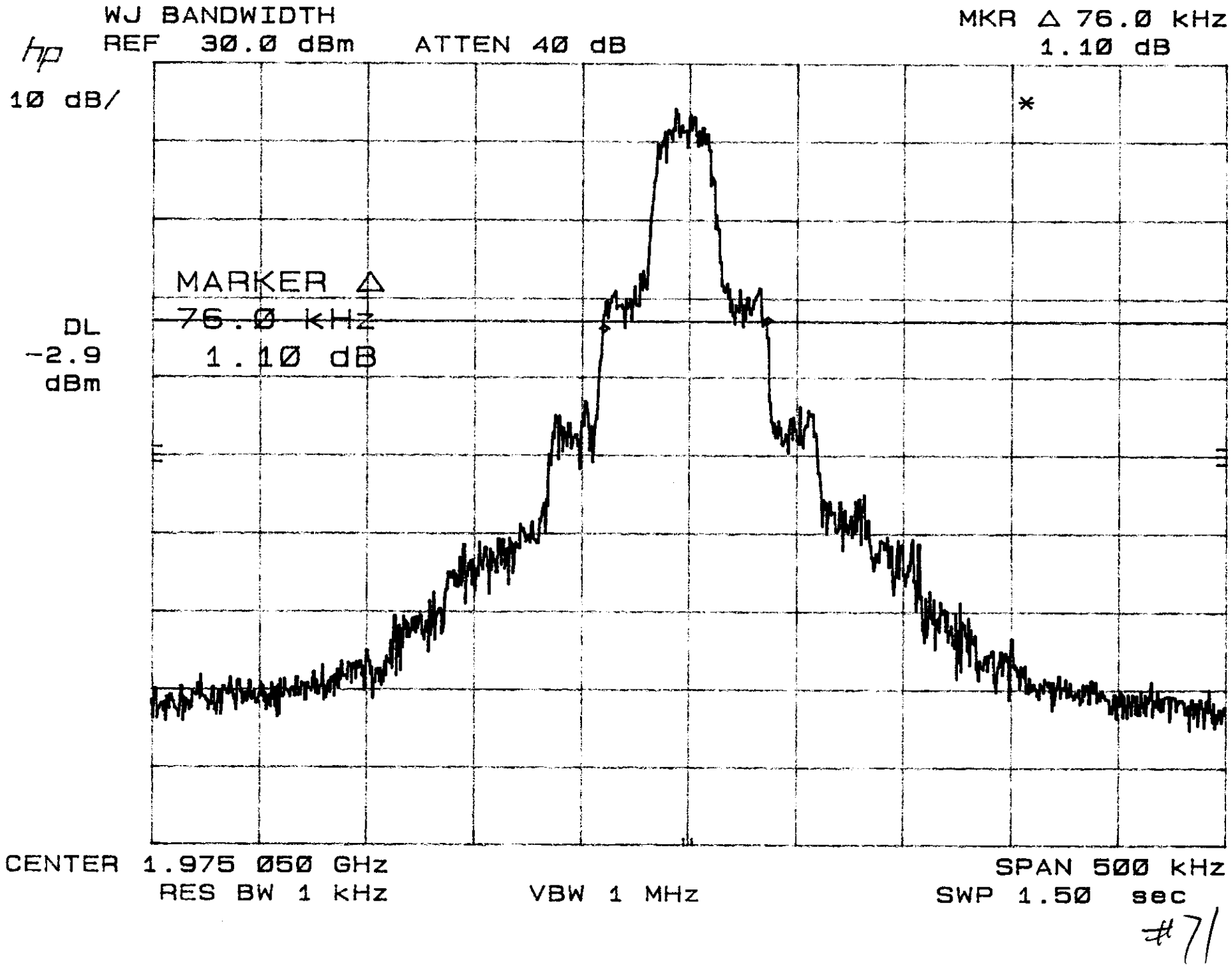
#70 2K


WJ SPURIOUS
hp
REF 30.0 dBm
ATTEN 40 dB
MKR 1.976 GHz
28.60 dBm
10 dB/
DISPLAY LINE
-13.0 dBm
DL
-13.0
dBm
START 30 MHz
RES BW 1 MHz
VBW 1 MHz
STOP 2.00 GHz
SWP 49.3 msec

#70

71

#71 pk


WJ BANDWIDTH
REF 30.0 dBm
ATTEN 40 dB
MKR Δ 76.0 kHz
1.10 dB
10 dB/
MARKER Δ
76.0 kHz
1.10 dB
DL
-2.9
dBm
CENTER 1.975 050 GHz
RES BW 1 kHz
VBW 1 MHz
SPAN 500 kHz
SWP 1.50 sec

#71

#72

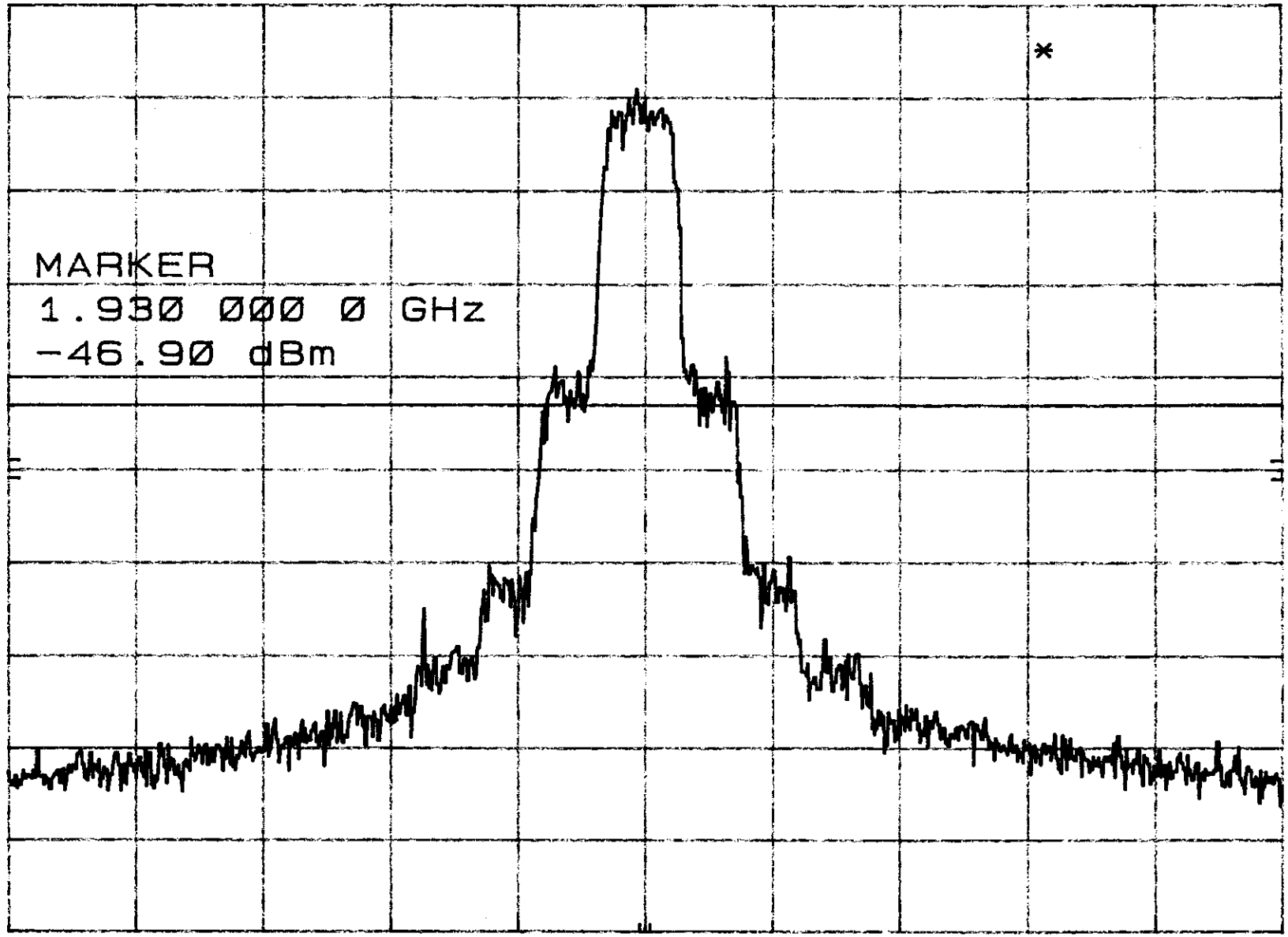
WB BANDEDGES
REF 30.0 dBm ATTEN 40 dB
MKR 1.930 000 0 GHz
-46.90 dBm

hp

10 dB/

MARKER
1.930 000 0 GHz
-46.90 dBm

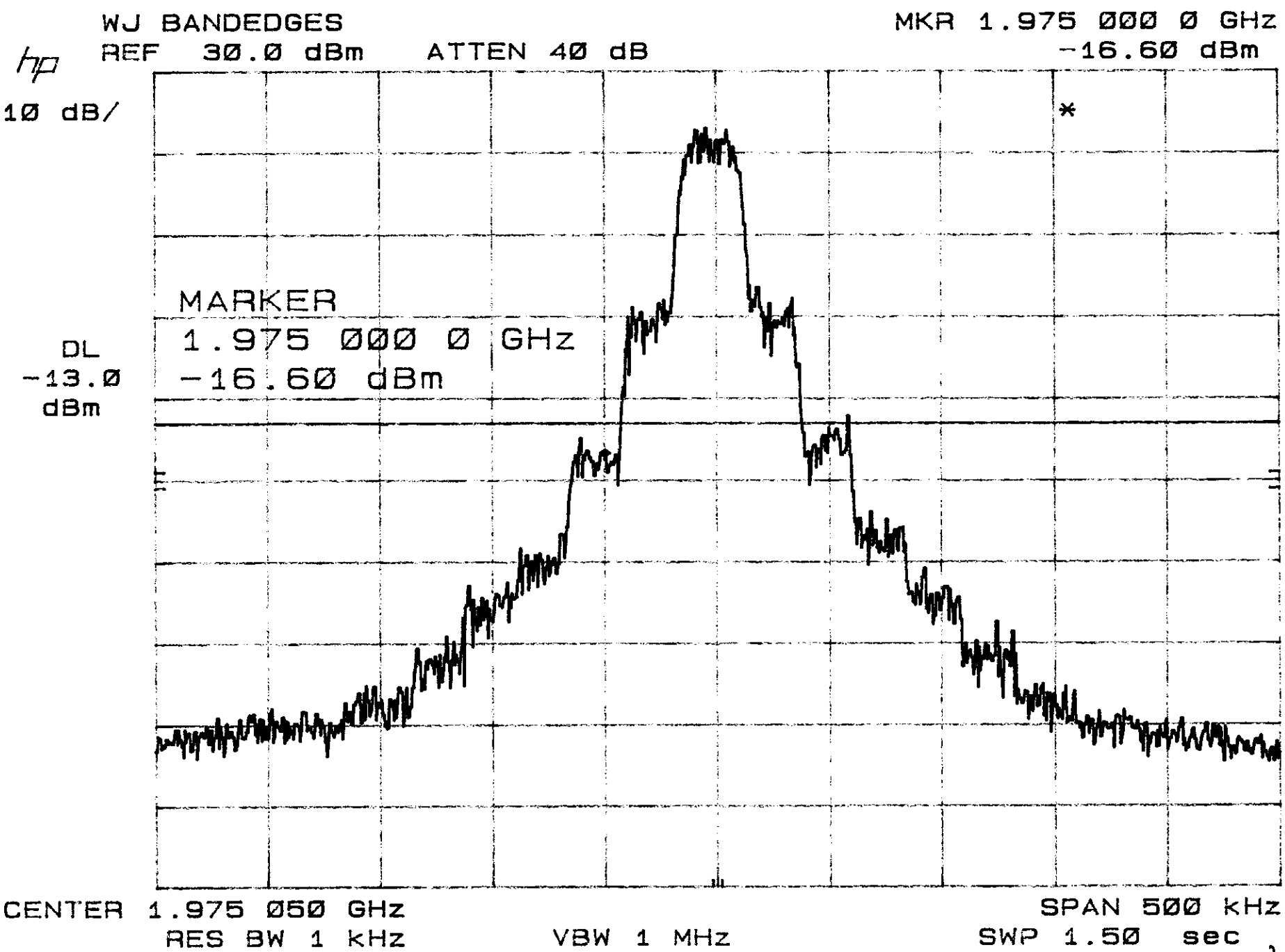
DL
-13.0
dBm



CENTER 1.930 100 GHz
RES BW 1 kHz
VBW 1 MHz
SPAN 500 kHz
SWP 1.50 sec

#72

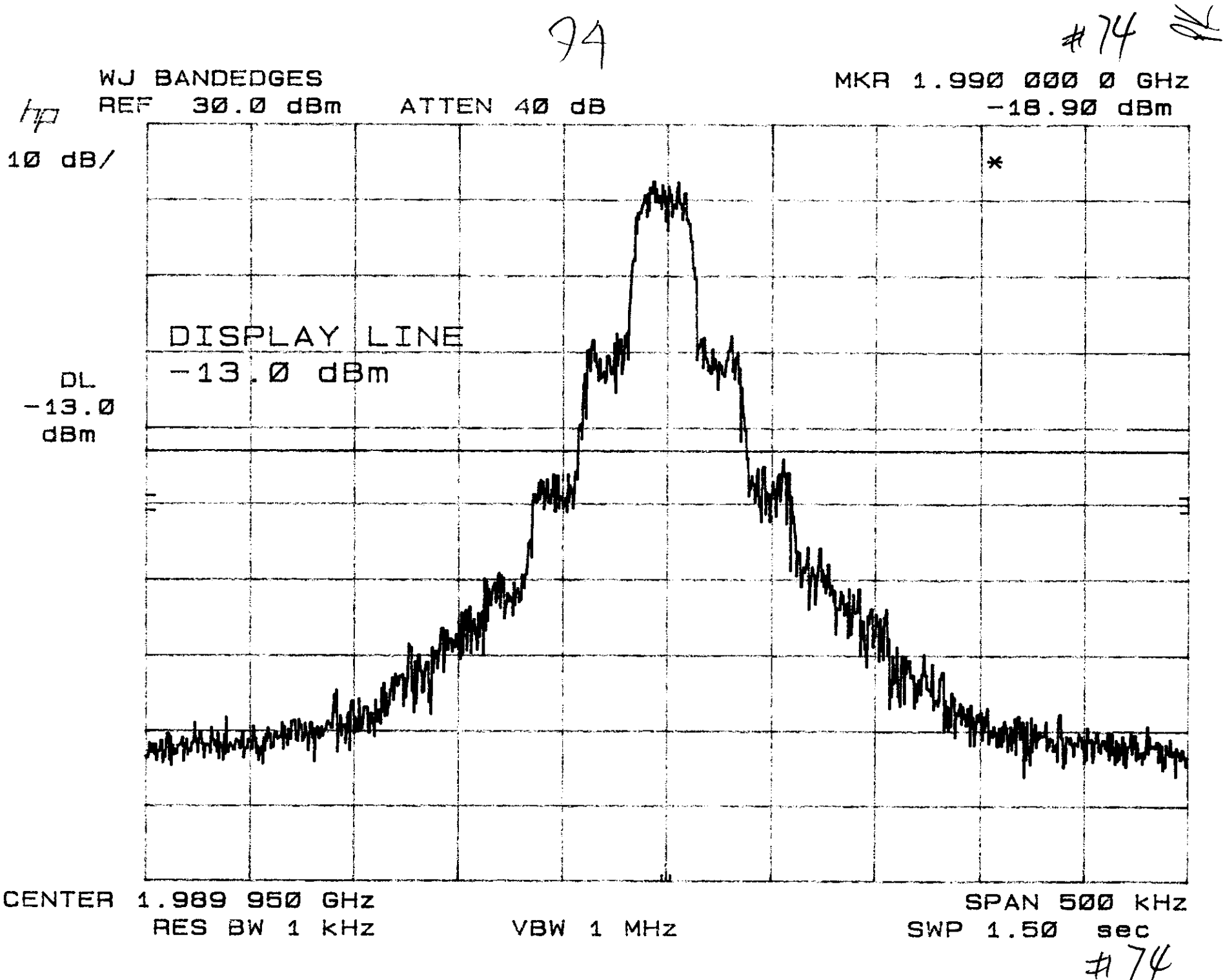
73 #73


WJ BANDEDGES
MKR 1.975 000 0 GHz
REF 30.0 dBm
ATTEN 40 dB
-16.60 dBm
hp
10 dB/
MARKER
1.975 000 0 GHz
-16.60 dBm
DL
-13.0
dBm
CENTER 1.975 050 GHz
SPAN 500 kHz
RES BW 1 kHz
VBW 1 MHz
SWP 1.50 sec

#73

94

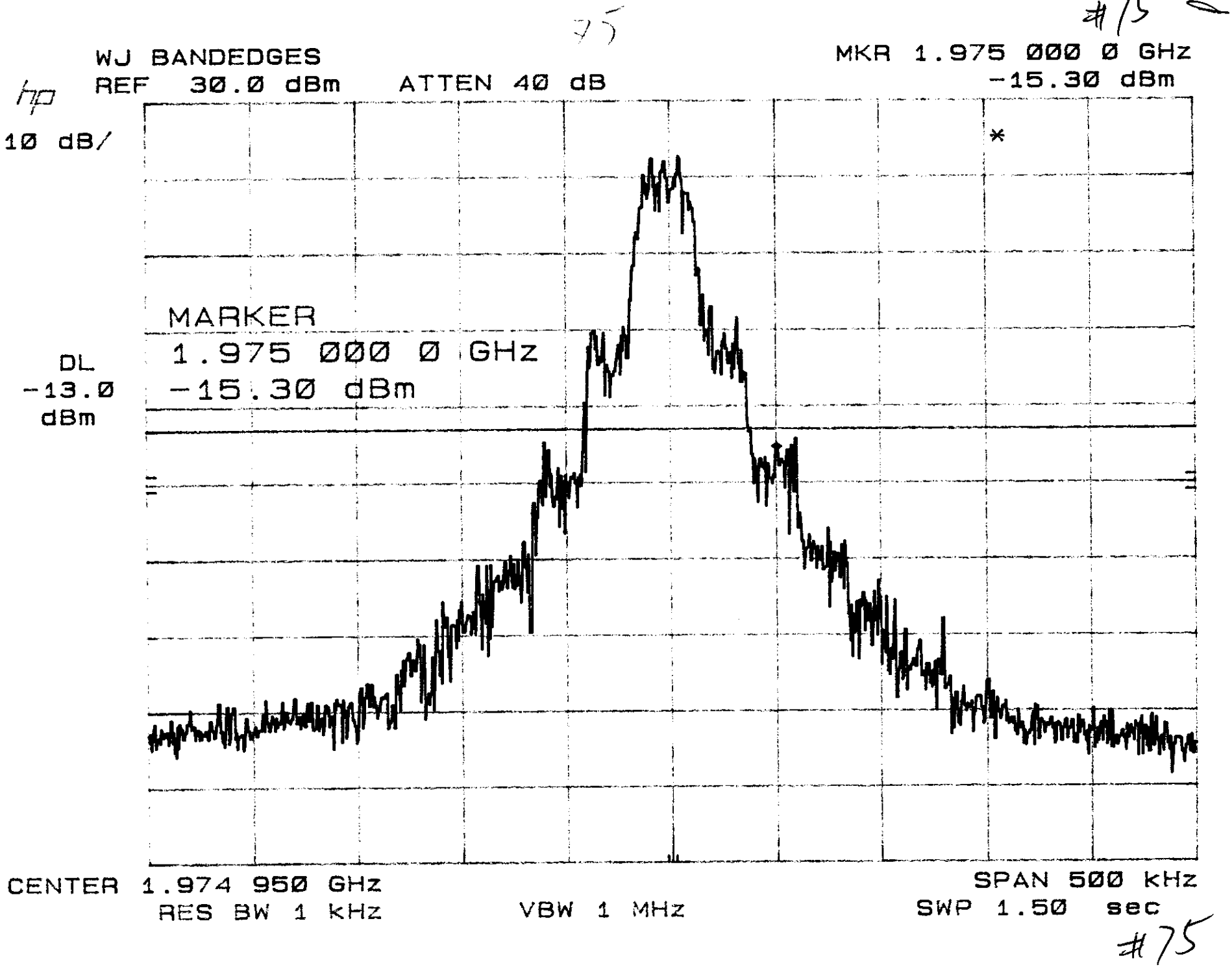
#74


WJ BANDEDGES
MKR 1.990 000 0 GHz
REF 30.0 dBm
ATTEN 40 dB
-18.90 dBm
10 dB/
DISPLAY LINE
-13.0 dBm
DL
-13.0
dBm
CENTER 1.989 950 GHz
SPAN 500 kHz
RES BW 1 kHz
VBW 1 MHz
SWP 1.50 sec

#74

#75

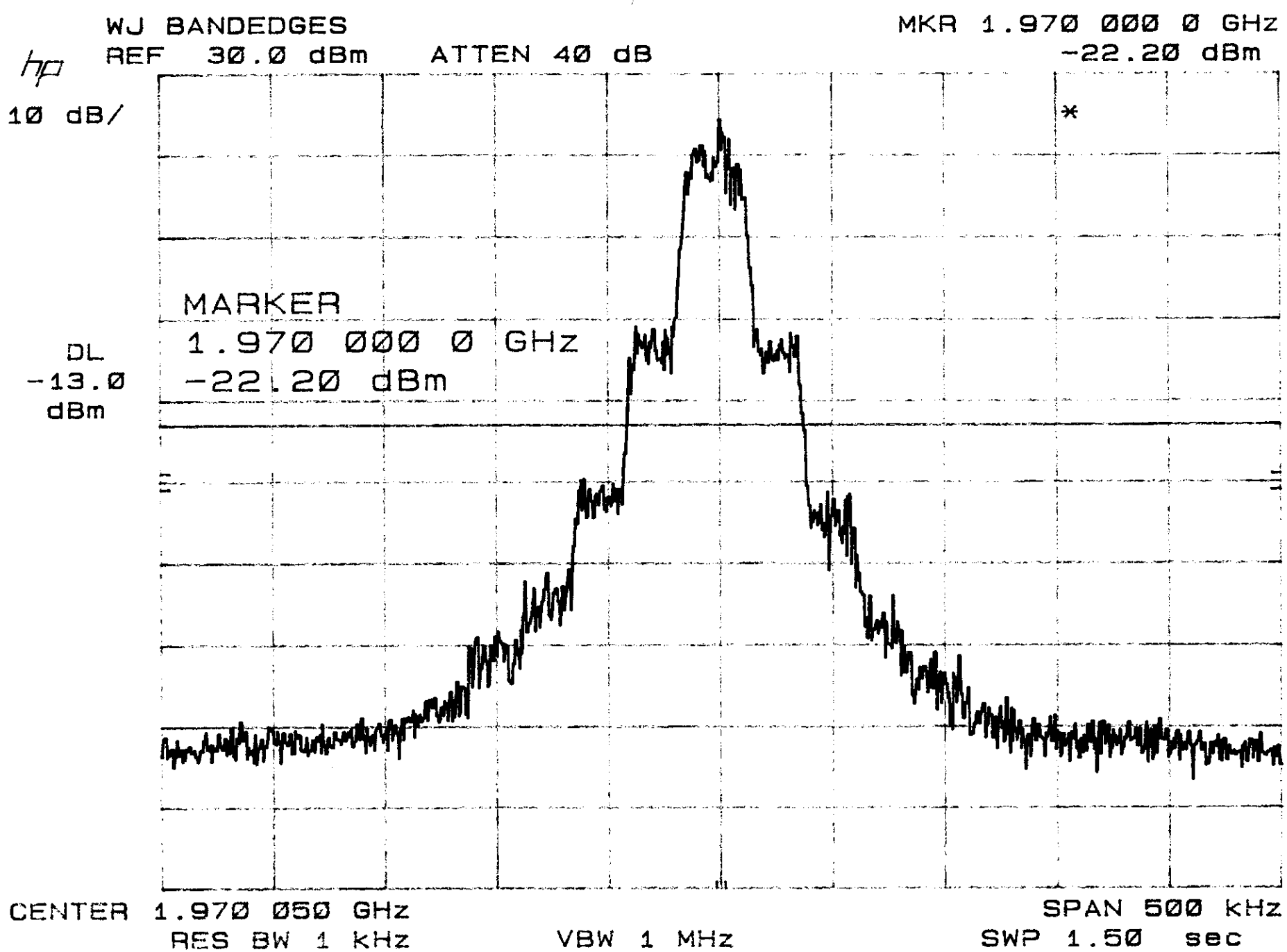
75


WJ BANDEDGES
REF 30.0 dBm
ATTEN 40 dB
MKR 1.975 000 0 GHz
-15.30 dBm
hp
10 dB/
MARKER
1.975 000 0 GHz
-15.30 dBm
DL
-13.0
dBm
CENTER 1.974 950 0 GHz
RES BW 1 kHz
VBW 1 MHz
SPAN 500 kHz
SWP 1.50 sec

#75

76

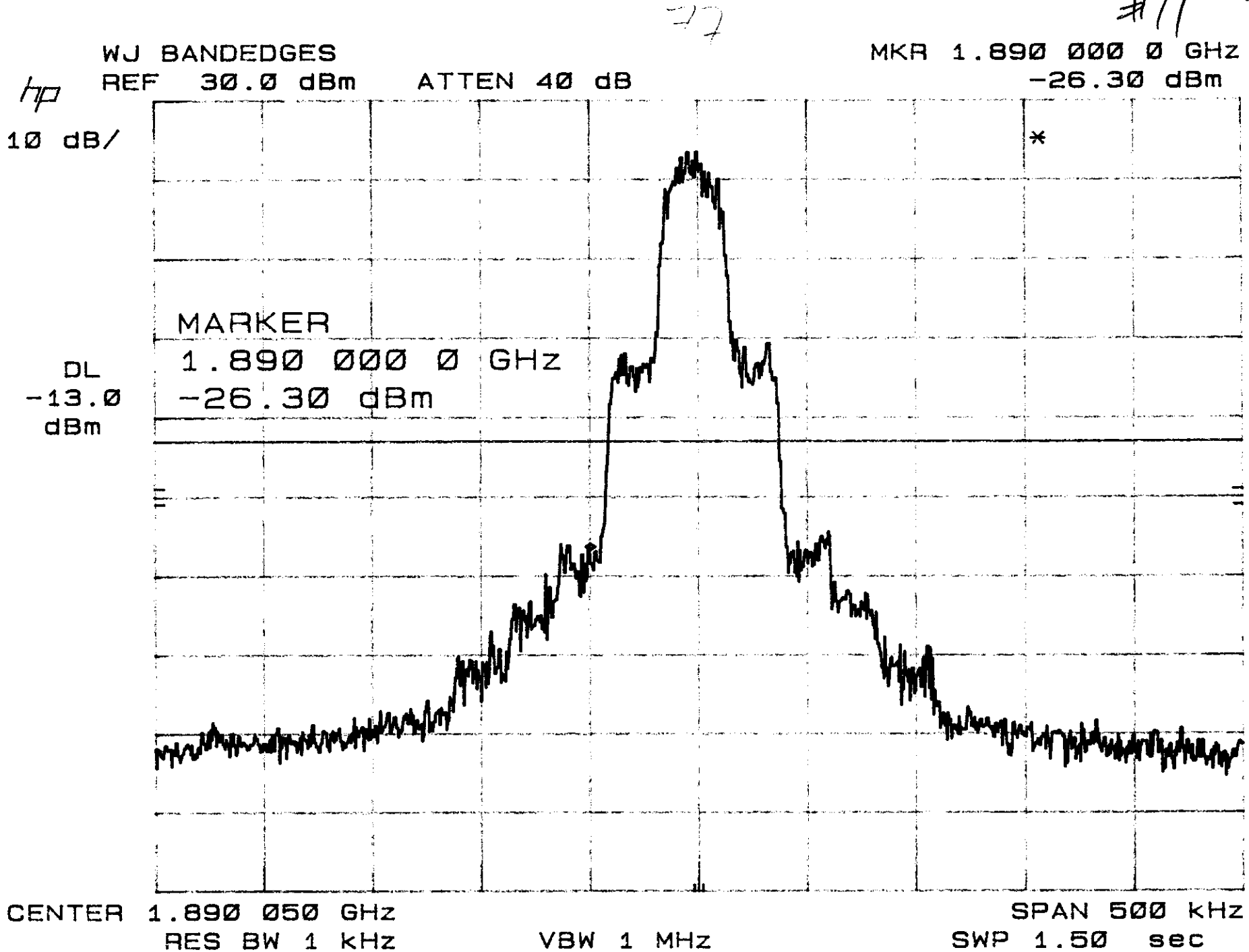
#76


WJ BANDEDGES
REF 30.0 dBm
ATTEN 40 dB
MKR 1.970 000 0 GHz
-22.20 dBm
10 dB/
MARKER
1.970 000 0 GHz
-22.20 dBm
DL
-13.0
dBm
CENTER 1.970 050 GHz
RES BW 1 kHz
VBW 1 MHz
SPAN 500 kHz
SWP 1.50 sec

#76

#77 PK

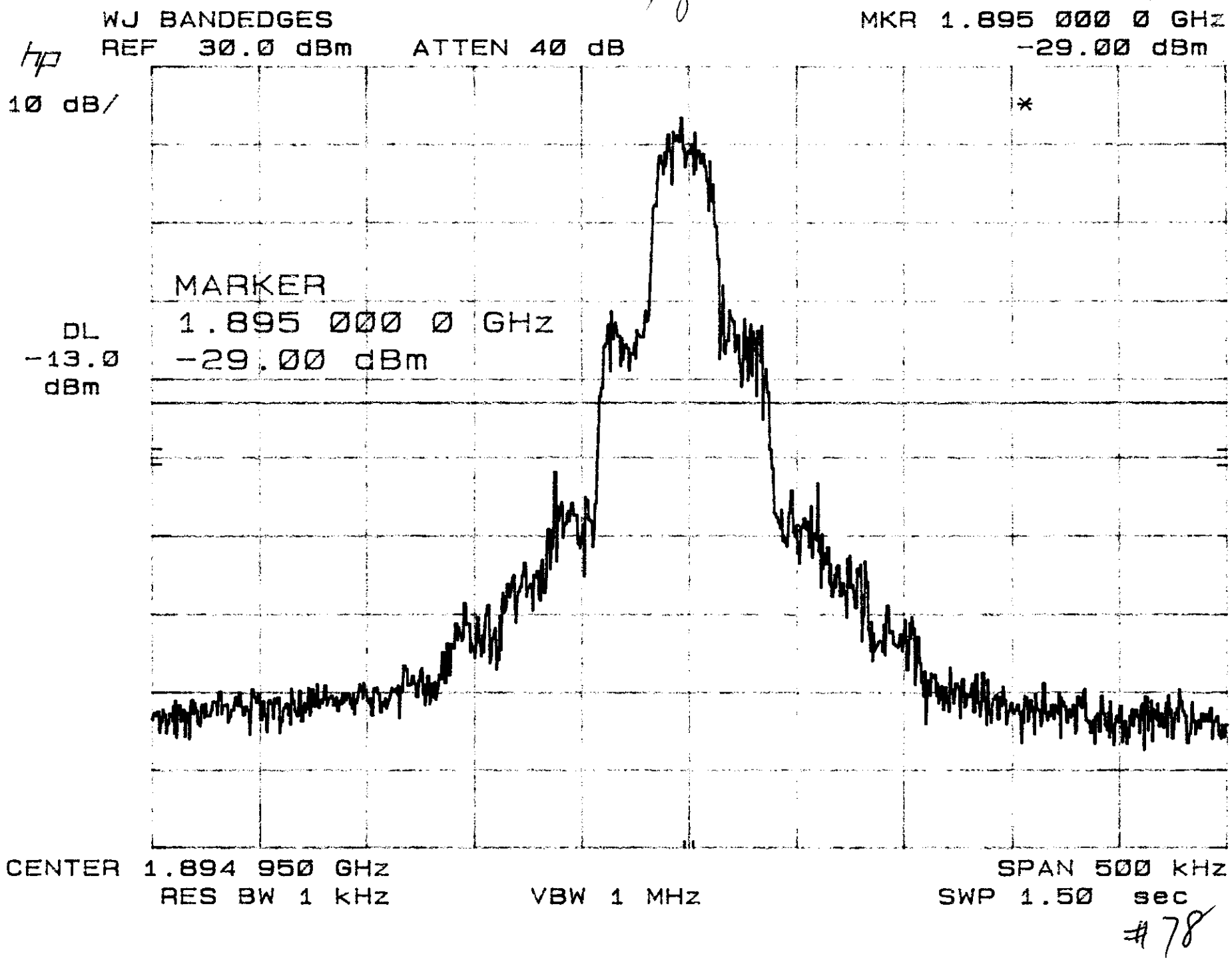
77


WJ BANDEDGES
MKR 1.890 000 0 GHz
REF 30.0 dBm
ATTEN 40 dB
-26.30 dBm
hp
10 dB/
*
MARKER
1.890 000 0 GHz
DL
-13.0
dBm
-26.30 dBm
CENTER 1.890 050 GHz
SPAN 500 kHz
RES BW 1 kHz
VBW 1 MHz
SWP 1.50 sec

#77

#78 R

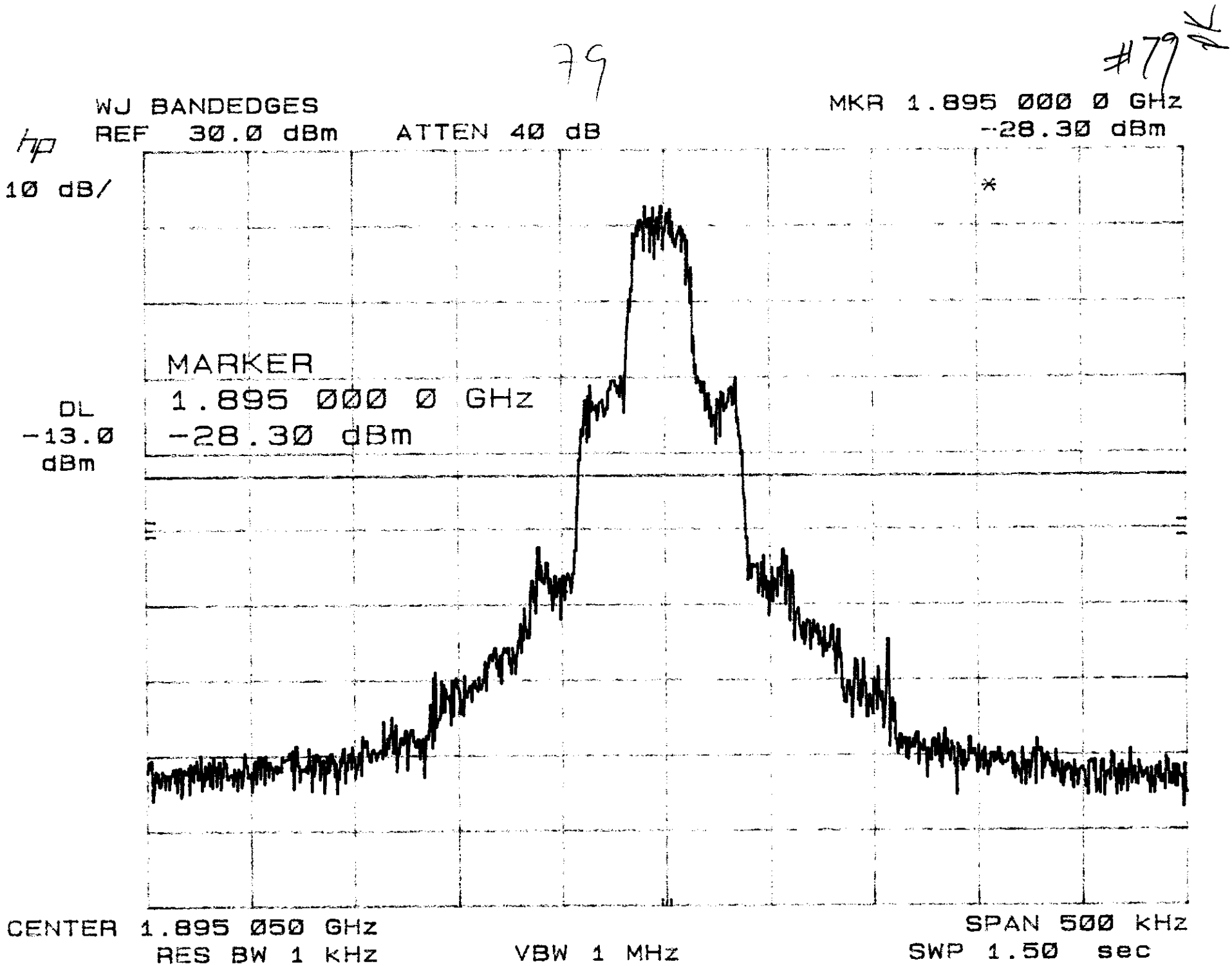
-18


WJ BANDEDGES
MKR 1.895 000 0 GHz
REF 30.0 dBm
ATTEN 40 dB
-29.00 dBm
hp
10 dB/
MARKER
1.895 000 0 GHz
-29.00 dBm
DL
-13.0
dBm
CENTER 1.894 950 GHz
SPAN 500 kHz
RES BW 1 kHz
VBW 1 MHz
SWP 1.50 sec

#78

79

#79


WJ BANDEDGES
REF 30.0 dBm
ATTEN 40 dB
MKR 1.895 000 0 GHz
-28.30 dBm
hp
10 dB/
MARKER
1.895 000 0 GHz
-28.30 dBm
DL
-13.0
dBm
CENTER 1.895 050 GHz
RES BW 1 kHz
VBW 1 MHz
SPAN 500 kHz
SWP 1.50 sec

#79

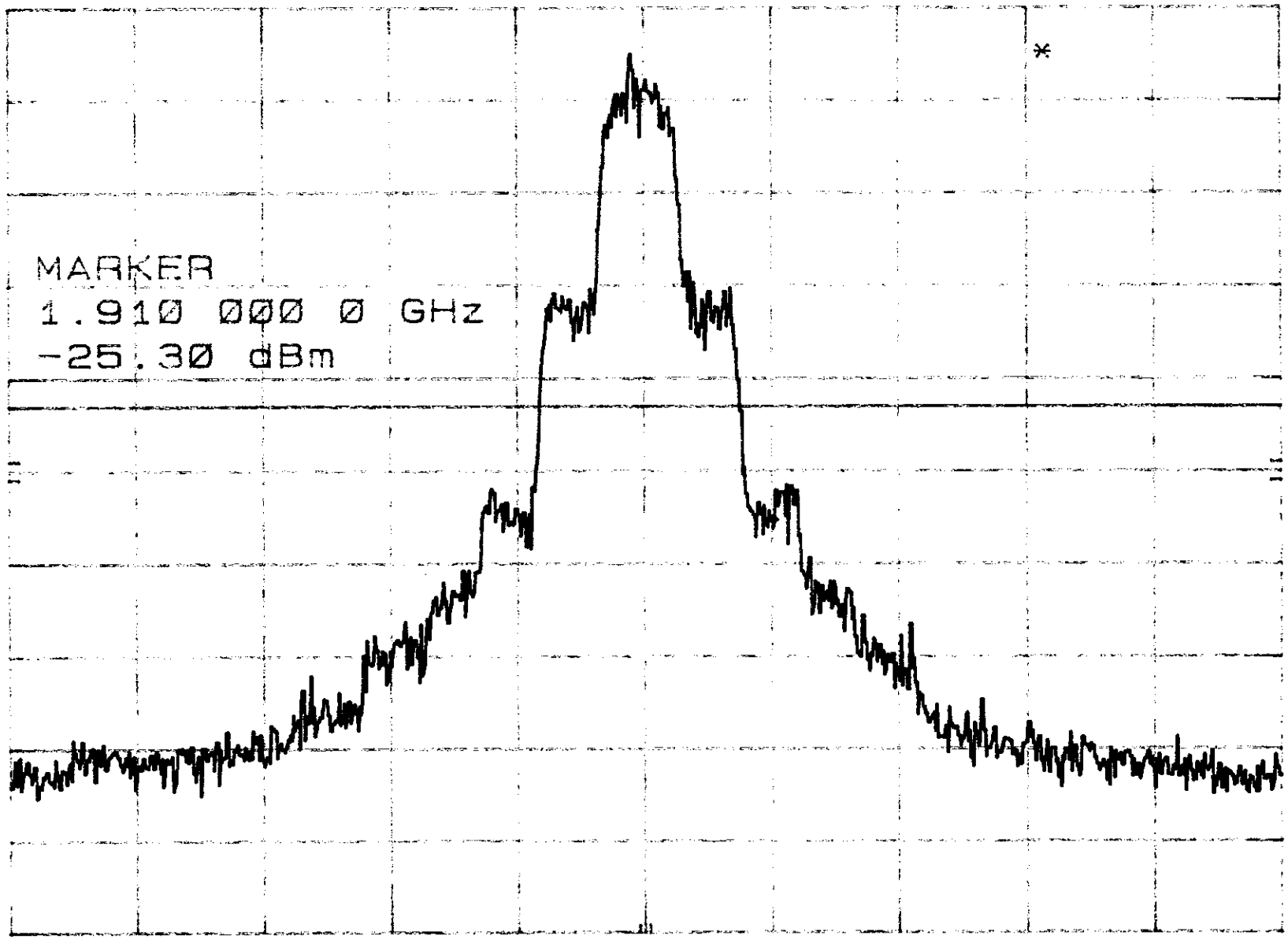
90

#80

WJ BANDEDGES
REF 30.0 dBm ATTEN 40 dB
MKR 1.910 000 0 GHz
-25.30 dBm

hp

10 dB/

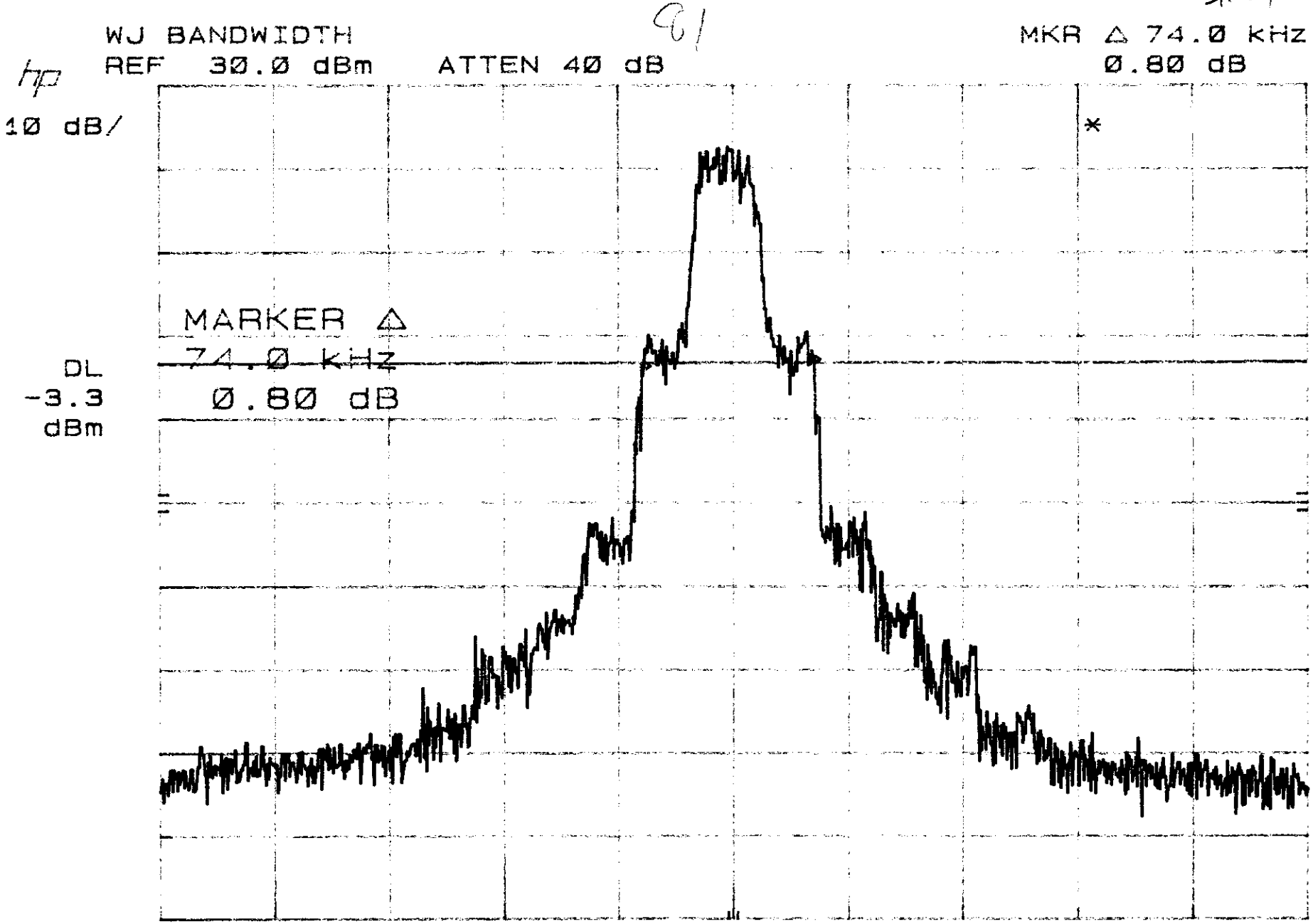


DL
-13.0
dBm

CENTER 1.909 950 GHz
RES BW 1 kHz
VBW 1 MHz
SPAN 500 kHz
SWP 1.50 sec

#80

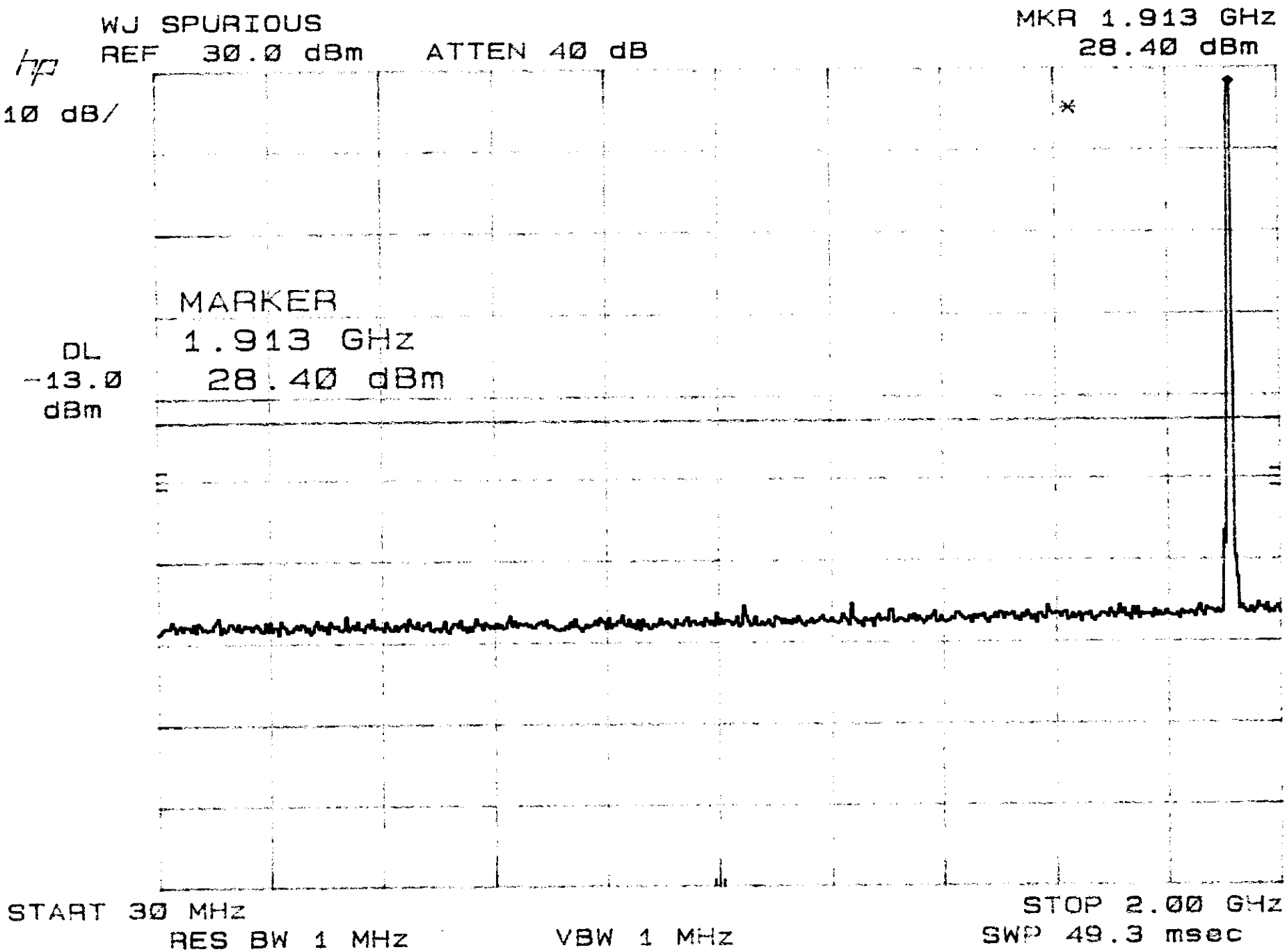
#81


WJ BANDWIDTH
MKR Δ 74.0 kHz
REF 30.0 dBm
ATTEN 40 dB
0.80 dB
10 dB/
MARKER Δ
74.0 kHz
0.80 dB
DL
-3.3
dBm
CENTER 1.909 950 GHz
SPAN 500 kHz
RES BW 1 kHz
VBW 1 MHz
SWP 1.50 sec

#81

82

#82


WJ SPURIOUS
REF 30.0 dBm
ATTEN 40 dB
MKR 1.913 GHz
28.40 dBm
10 dB/
MARKER
1.913 GHz
28.40 dBm
DL
-13.0
dBm
START 30 MHz
RES BW 1 MHz
VBW 1 MHz
STOP 2.00 GHz
SWP 49.3 msec

#82

#82 PK

62

WJ SPURIOUS

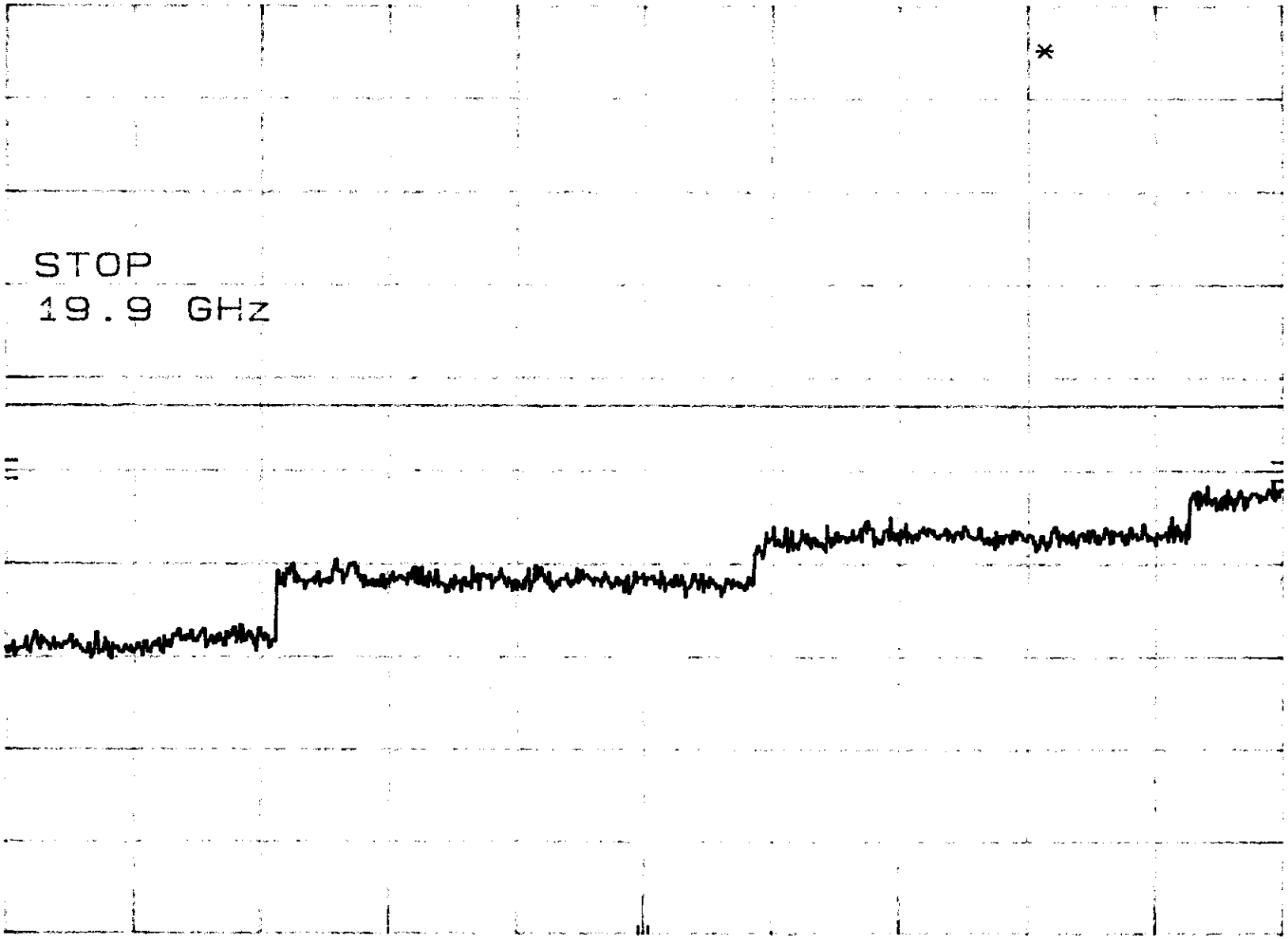
MKR 19.11 GHz
−22.90 dBm

HP
REF 30.0 dBm ATTEN 40 dB

10 dB/

STOP
19.9 GHz

DL
−13.0
dBm



START 2.0 GHz
RES BW 1 MHz VBW 1 MHz STOP 19.9 GHz
SWP 448 msec

#82

93

#83 PK

WJ SPURIOUS

MKR 19.11 GHz
-22.90 dBm

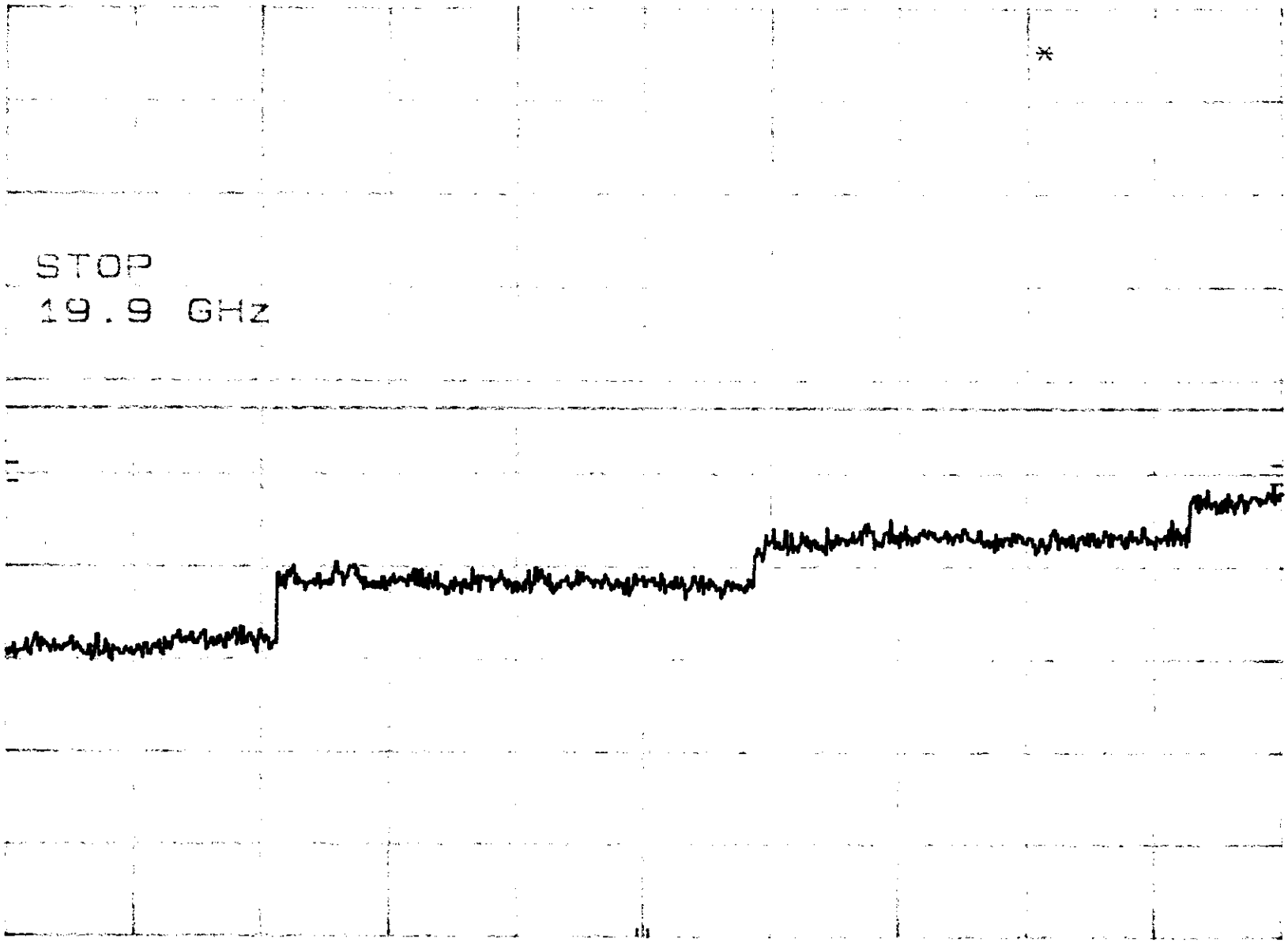
hp

REF 30.0 dBm ATTEN 40 dB

10 dB/

STOP
19.9 GHz

DL
-13.0
dBm

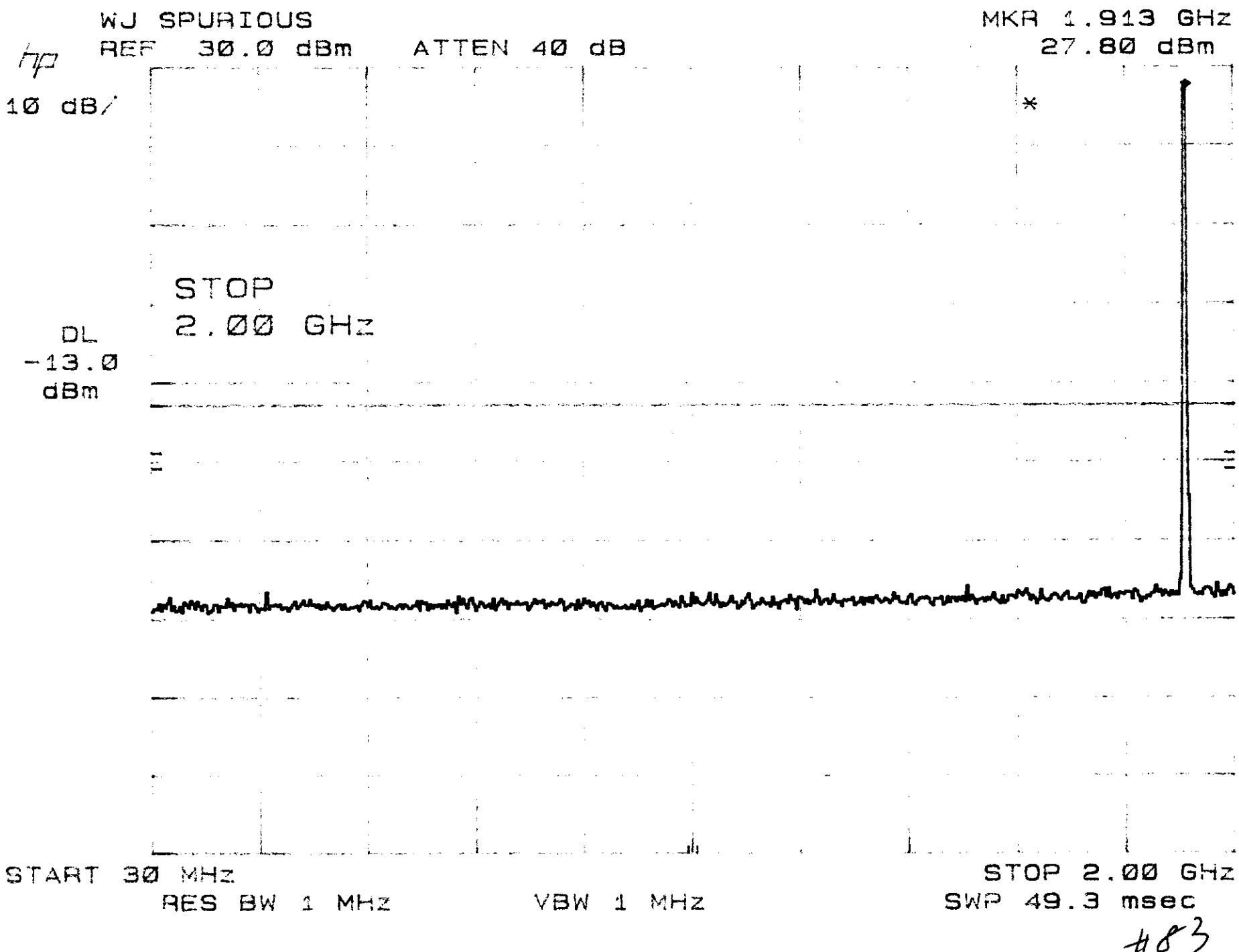


START 2.0 GHz
RES BW 1 MHz
VBW 1 MHz
STOP 19.9 GHz
SWP 448 msec

#83

83

#83

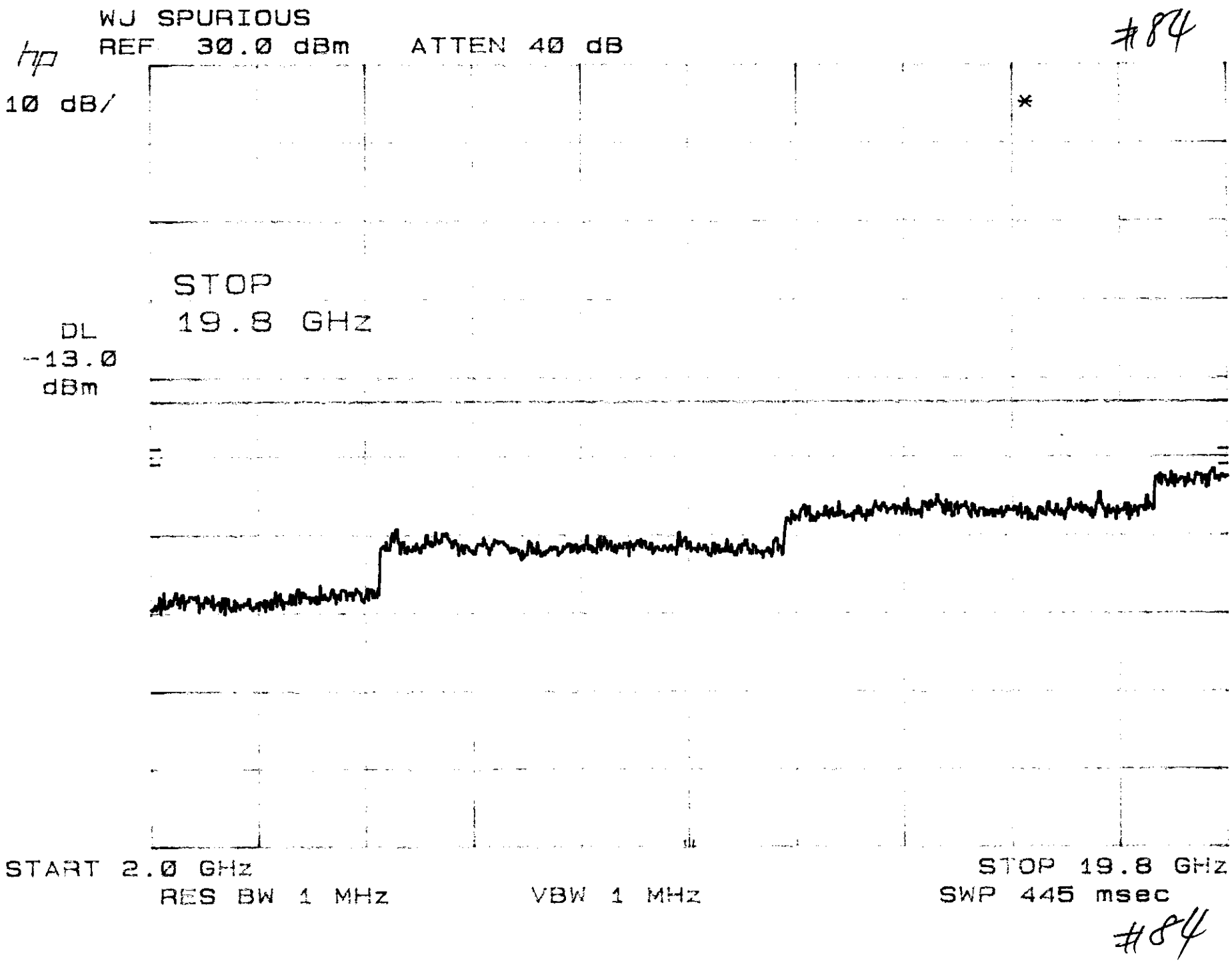

WJ SPURIOUS
REF 30.0 dBm
ATTEN 40 dB
MKR 1.913 GHz
27.80 dBm
hp
10 dB/
STOP
2.00 GHz
DL
-13.0
dBm
START 30 MHz
RES BW 1 MHz
VBW 1 MHz
STOP 2.00 GHz
SWP 49.3 msec

#83

84

PK

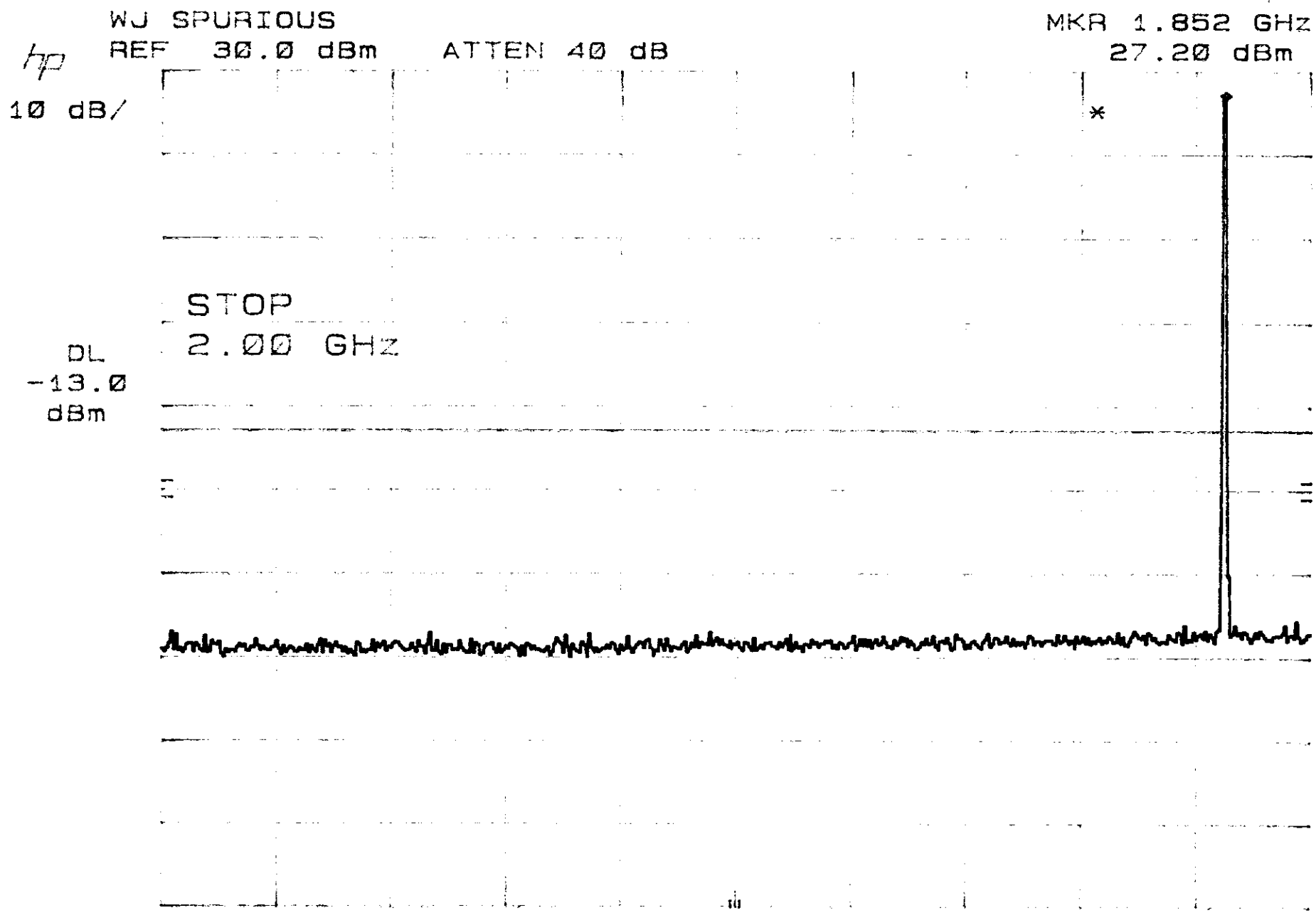
#84


WJ SPURIOUS
REF 30.0 dBm
ATTEN 40 dB
hp
10 dB/
STOP
19.8 GHz
DL
-13.0
dBm
START 2.0 GHz
RES BW 1 MHz
VBW 1 MHz
STOP 19.8 GHz
SWP 445 msec

#84

84

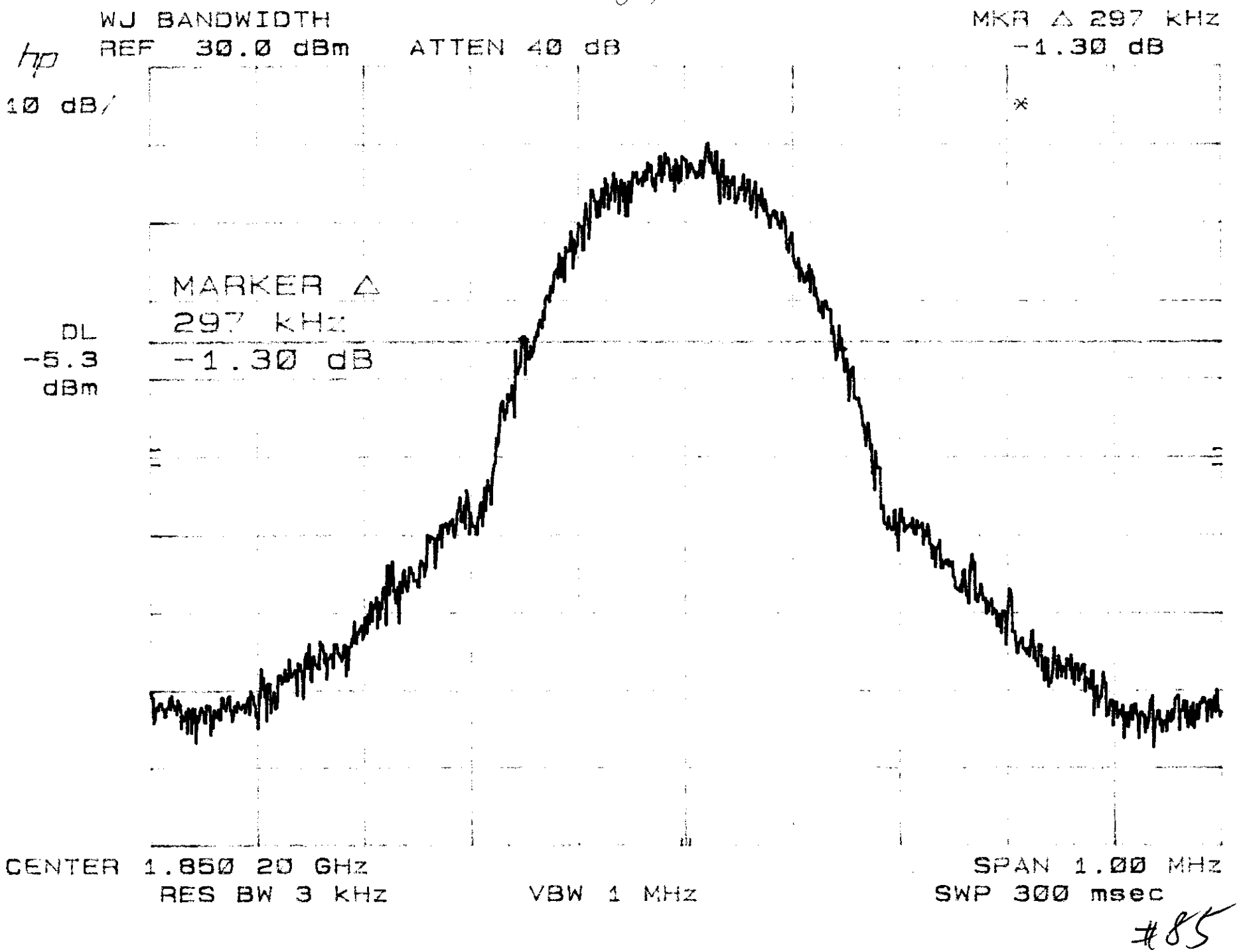
#84


WJ SPURIOUS
REF 30.0 dBm
ATTEN 40 dB
MKR 1.852 GHz
27.20 dBm
hp
10 dB/
STOP
2.00 GHz
DL
-13.0
dBm
START 30 MHz
RES BW 1 MHz
VBW 1 MHz
STOP 2.00 GHz
SWP 49.3 msec

#84

85

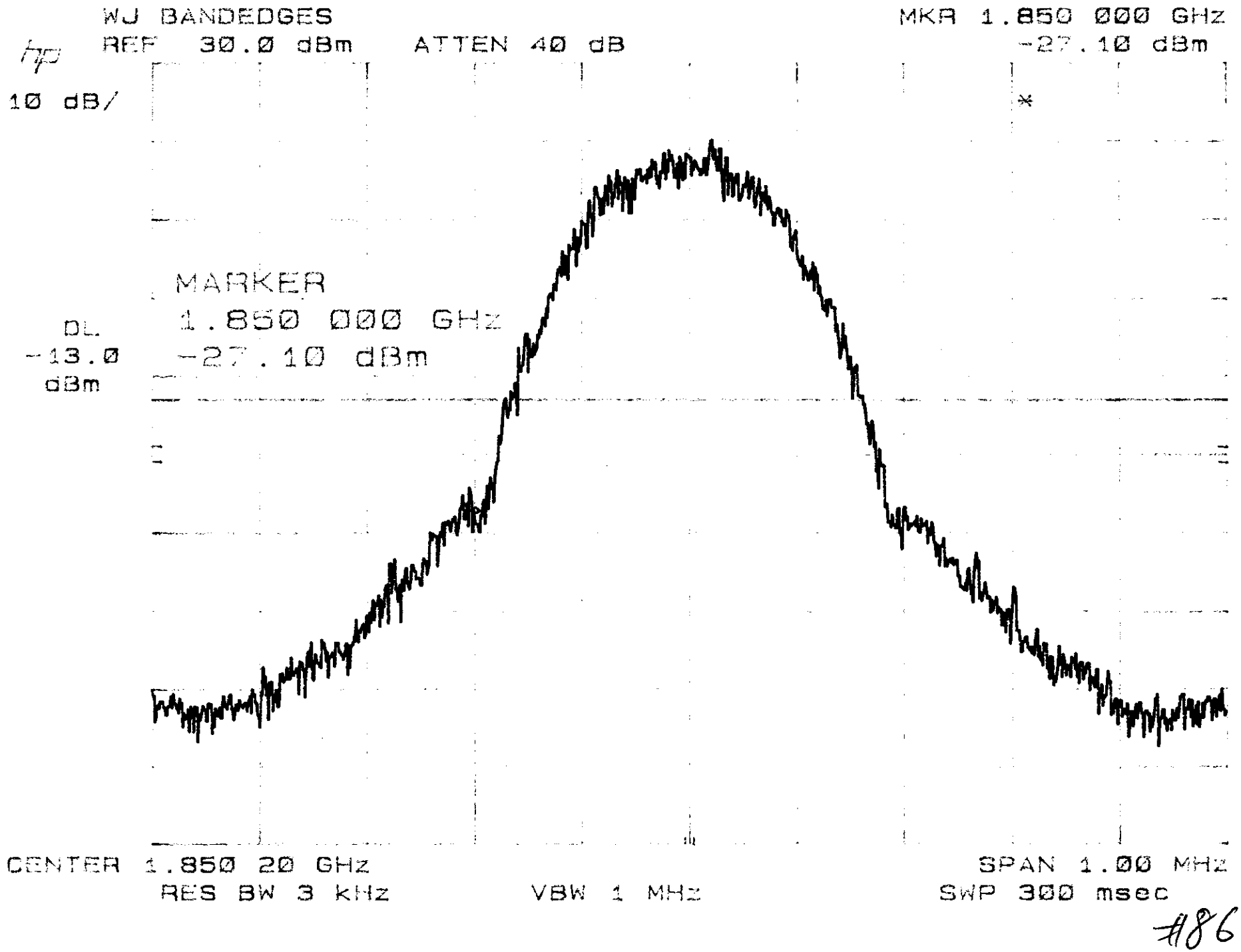
#85 OK


WJ BANDWIDTH
MKR Δ 297 kHz
hp
REF 30.0 dBm
ATTEN 40 dB
-1.30 dB
10 dB/
MARKER Δ
297 kHz
-1.30 dB
DL
-5.3
dBm
CENTER 1.850 20 GHz
SPAN 1.00 MHz
RES BW 3 kHz
VBW 1 MHz
SWP 300 msec

#85

86

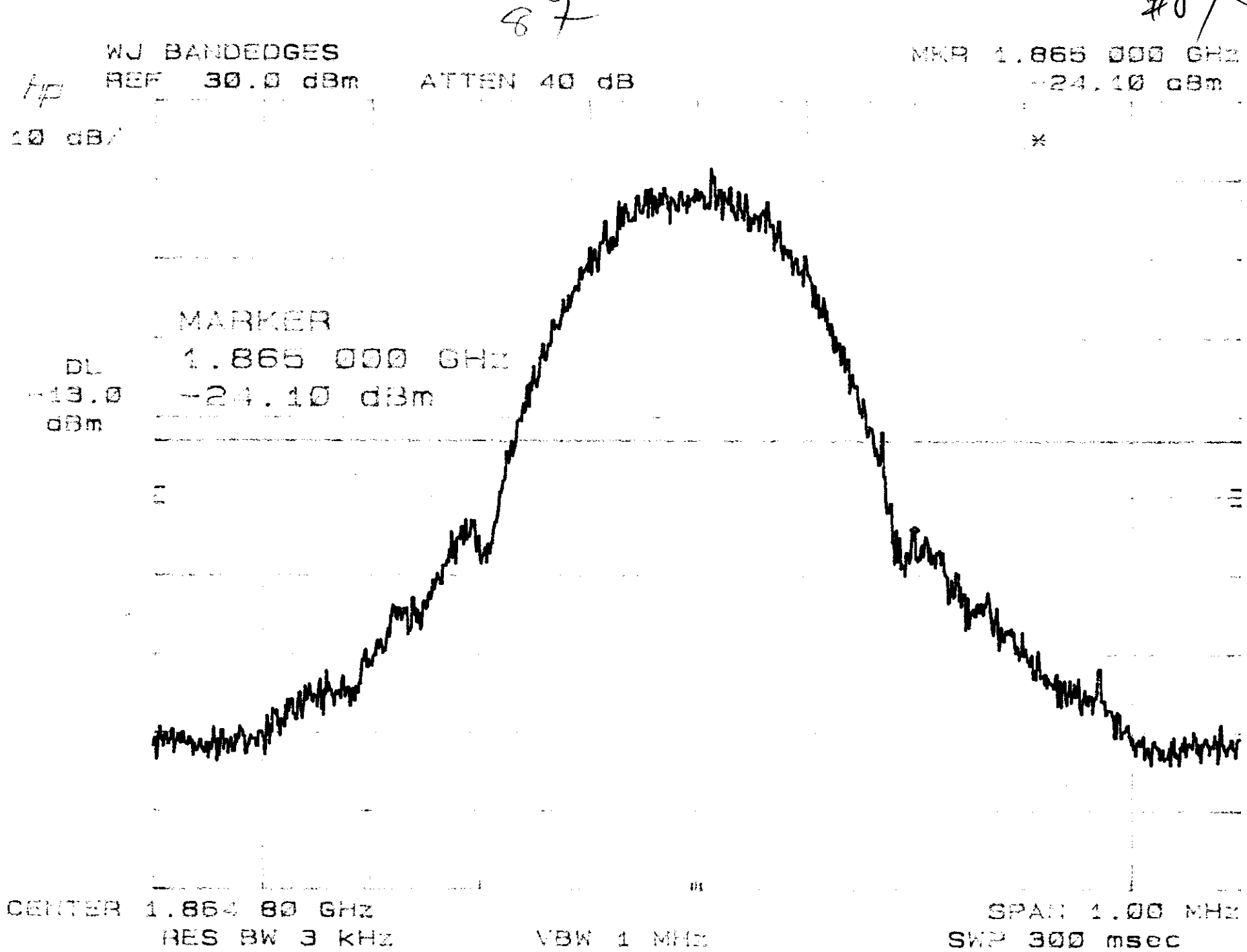
#86


WJ BANDEDGES
MKR 1.850 000 GHz
REF 30.0 dBm
ATTEN 40 dB
-27.10 dBm
10 dB/
MARKER
1.850 000 GHz
DL
-13.0
dBm
-27.10 dBm
CENTER 1.850 20 GHz
SPAN 1.00 MHz
RES BW 3 kHz
VBW 1 MHz
SWP 300 msec

#86

87

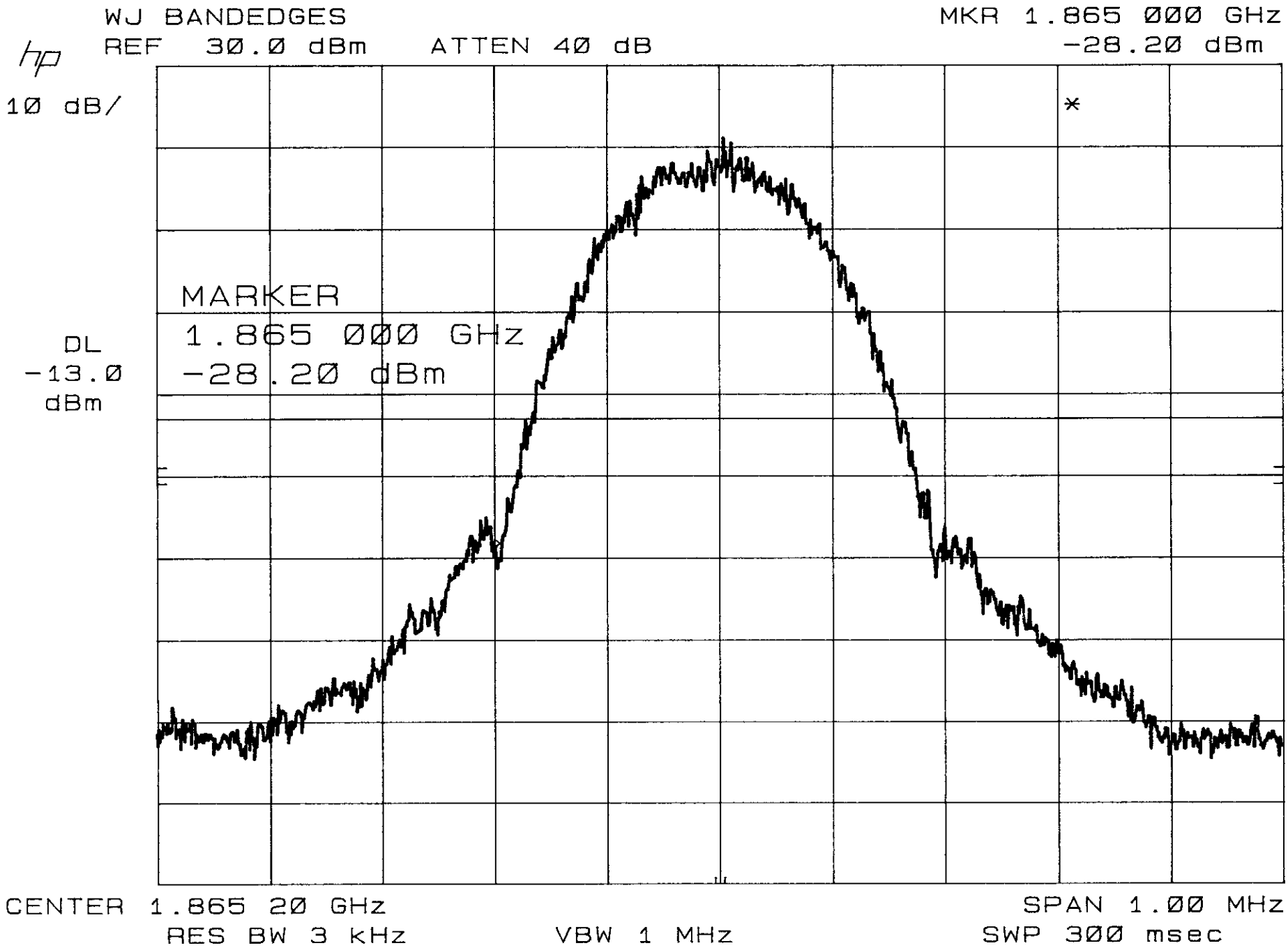
#87


WJ BANDEDGES
MKR 1.865 000 GHz
REF 30.0 dBm
ATTEN 40 dB
-24.10 dBm
10 dB/
MARKER
1.865 000 GHz
DL
13.0
dBm
-24.10 dBm
CENTER 1.864 80 GHz
SPAN 1.00 MHz
RES BW 3 kHz
VBW 1 MHz
SWP 300 msec

#87

88

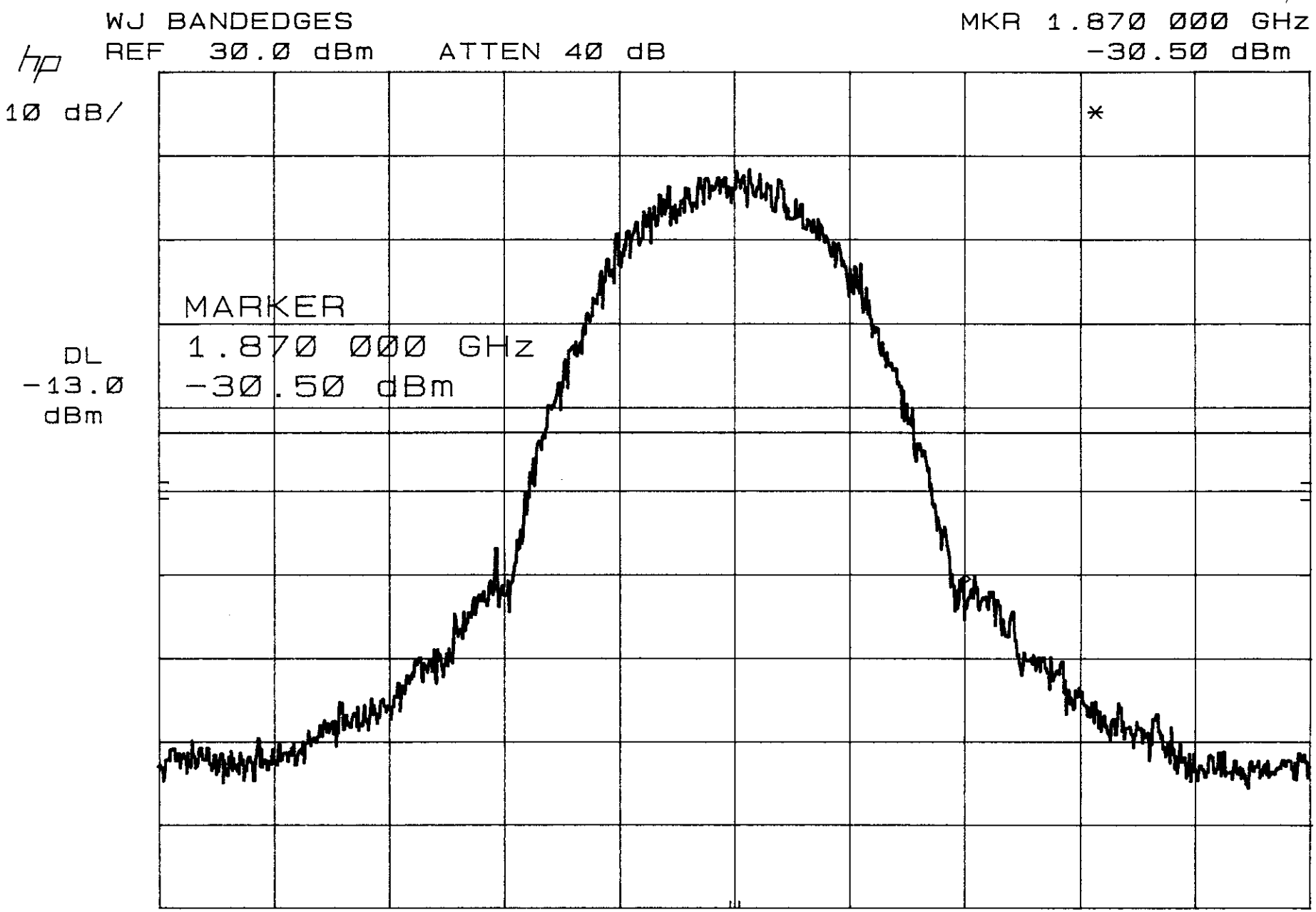
#88


WJ BANDEDGES
MKR 1.865 000 GHz
REF 30.0 dBm
ATTEN 40 dB
-28.20 dBm
hp
10 dB/
*
MARKER
1.865 000 GHz
-28.20 dBm
DL
-13.0
dBm
CENTER 1.865 20 GHz
SPAN 1.00 MHz
RES BW 3 kHz
VBW 1 MHz
SWP 300 msec

#88

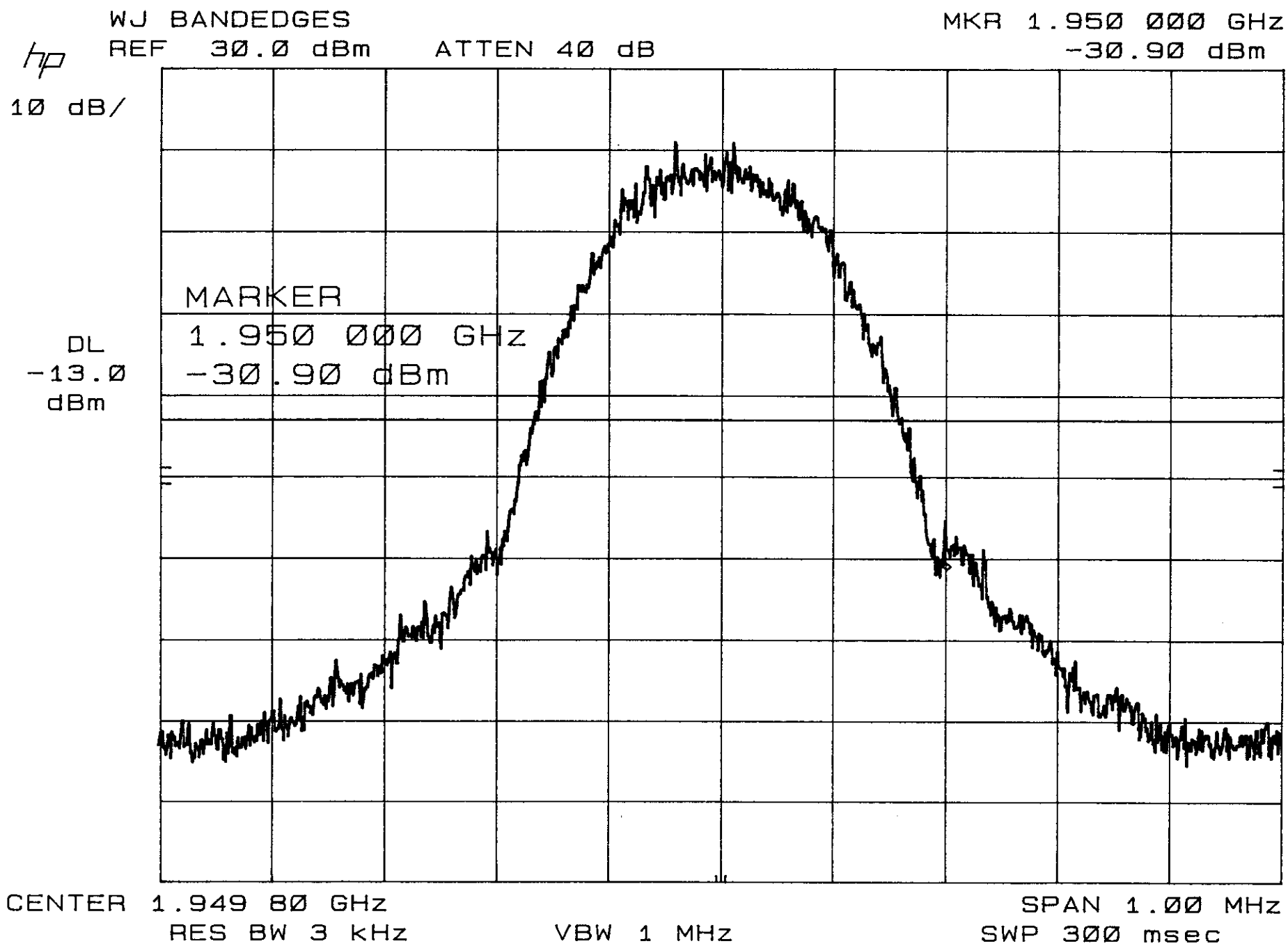
89

#89


WJ BANDEDGES
MKR 1.870 000 GHz
REF 30.0 dBm
ATTEN 40 dB
-30.50 dBm
hp
10 dB/
*
MARKER
1.870 000 GHz
-30.50 dBm
DL
-13.0
dBm
CENTER 1.869 80 GHz
SPAN 1.00 MHz
RES BW 3 kHz
VBW 1 MHz
SWP 300 msec

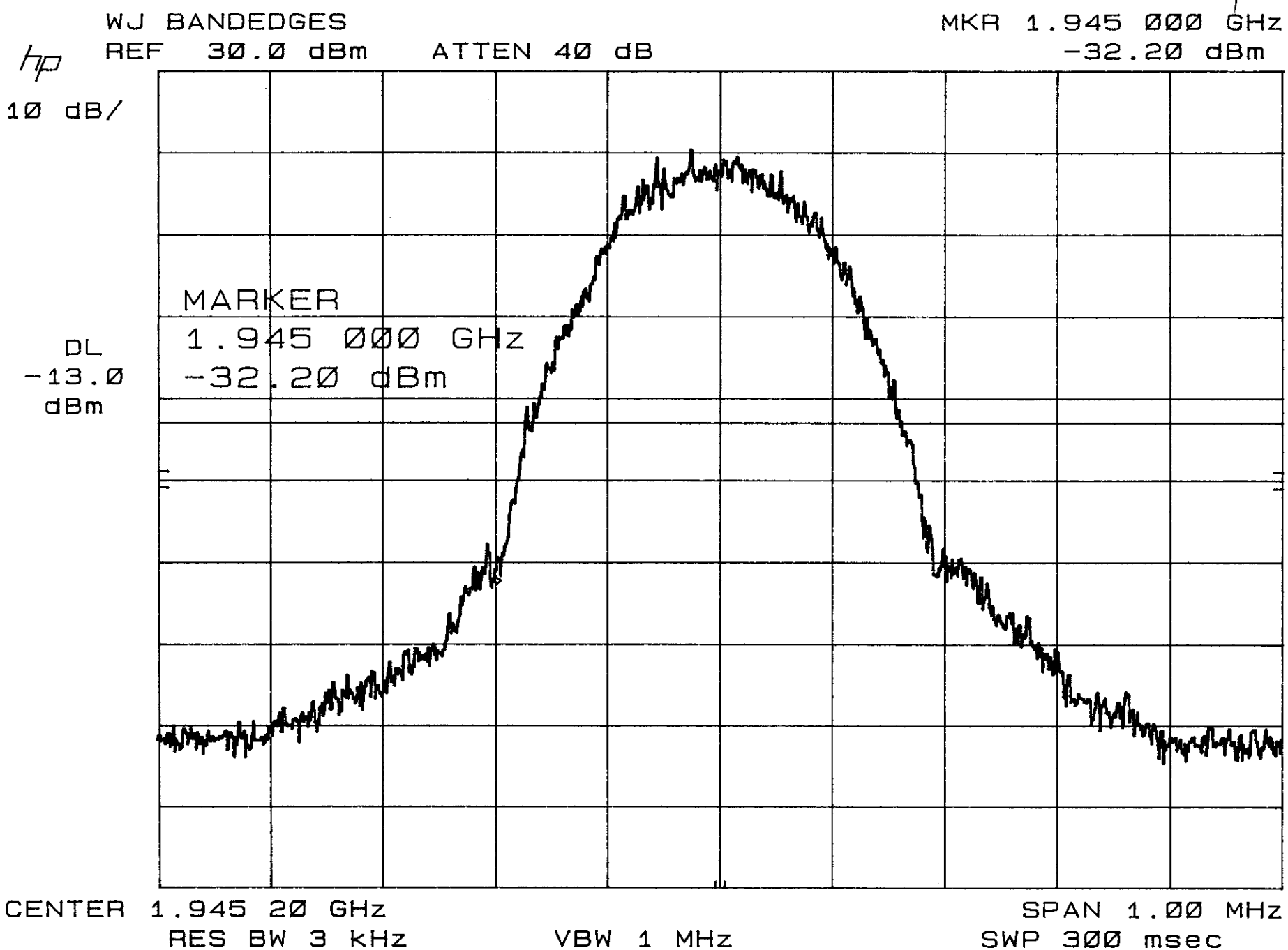
#89

#90 OK


WJ BANDEDGES
REF 30.0 dBm
ATTEN 40 dB
MKR 1.950 000 GHz
-30.90 dBm
hp
10 dB/
DL
-13.0
dBm
MARKER
1.950 000 GHz
-30.90 dBm
CENTER 1.949 80 GHz
RES BW 3 kHz
VBW 1 MHz
SPAN 1.00 MHz
SWP 300 msec

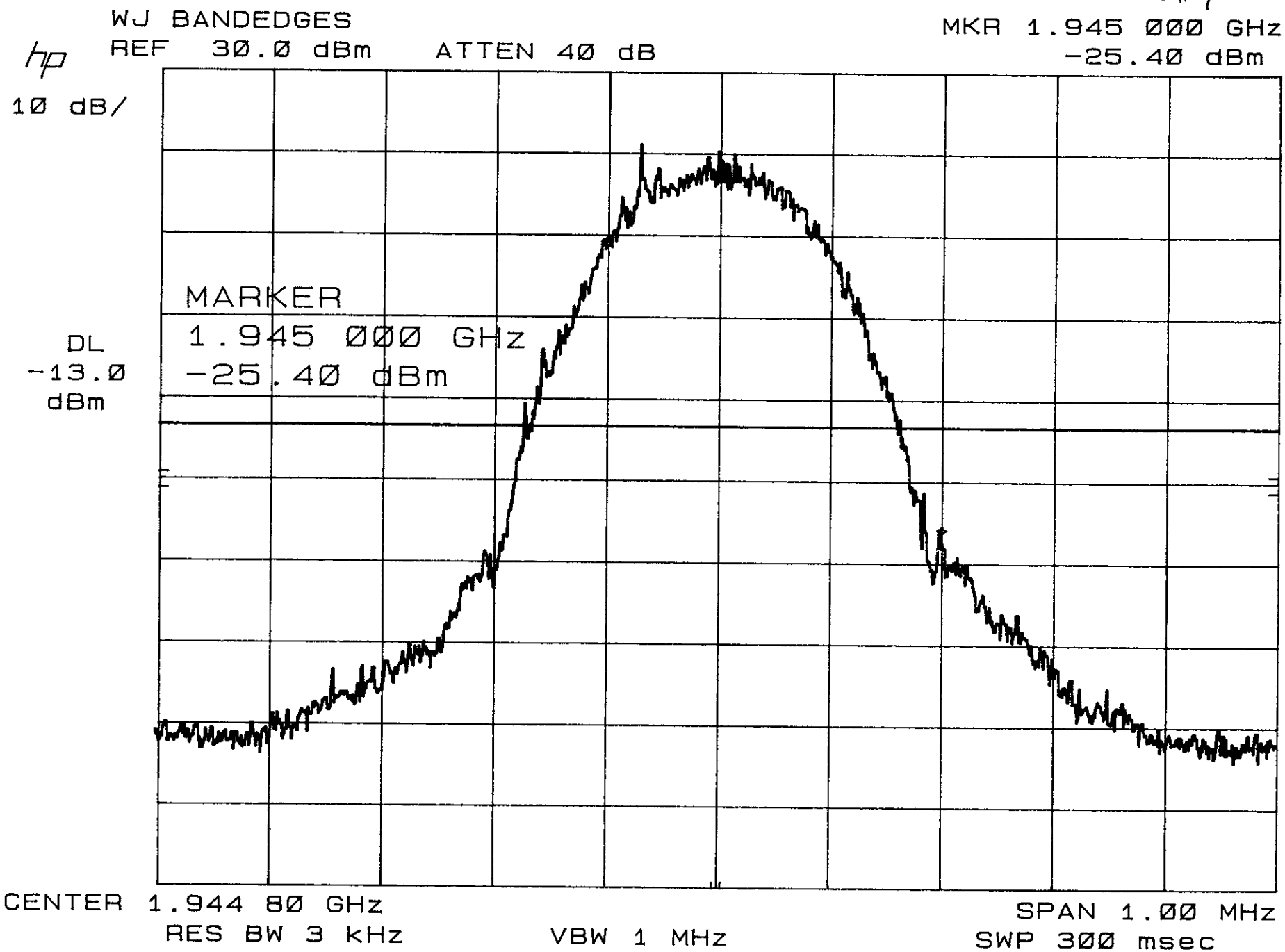
#90

#9


WJ BANDEDGES
MKR 1.945 000 GHz
REF 30.0 dBm
ATTEN 40 dB
-32.20 dBm
10 dB/
MARKER
1.945 000 GHz
-32.20 dBm
DL
-13.0
dBm
CENTER 1.945 20 GHz
SPAN 1.00 MHz
RES BW 3 kHz
VBW 1 MHz
SWP 300 msec

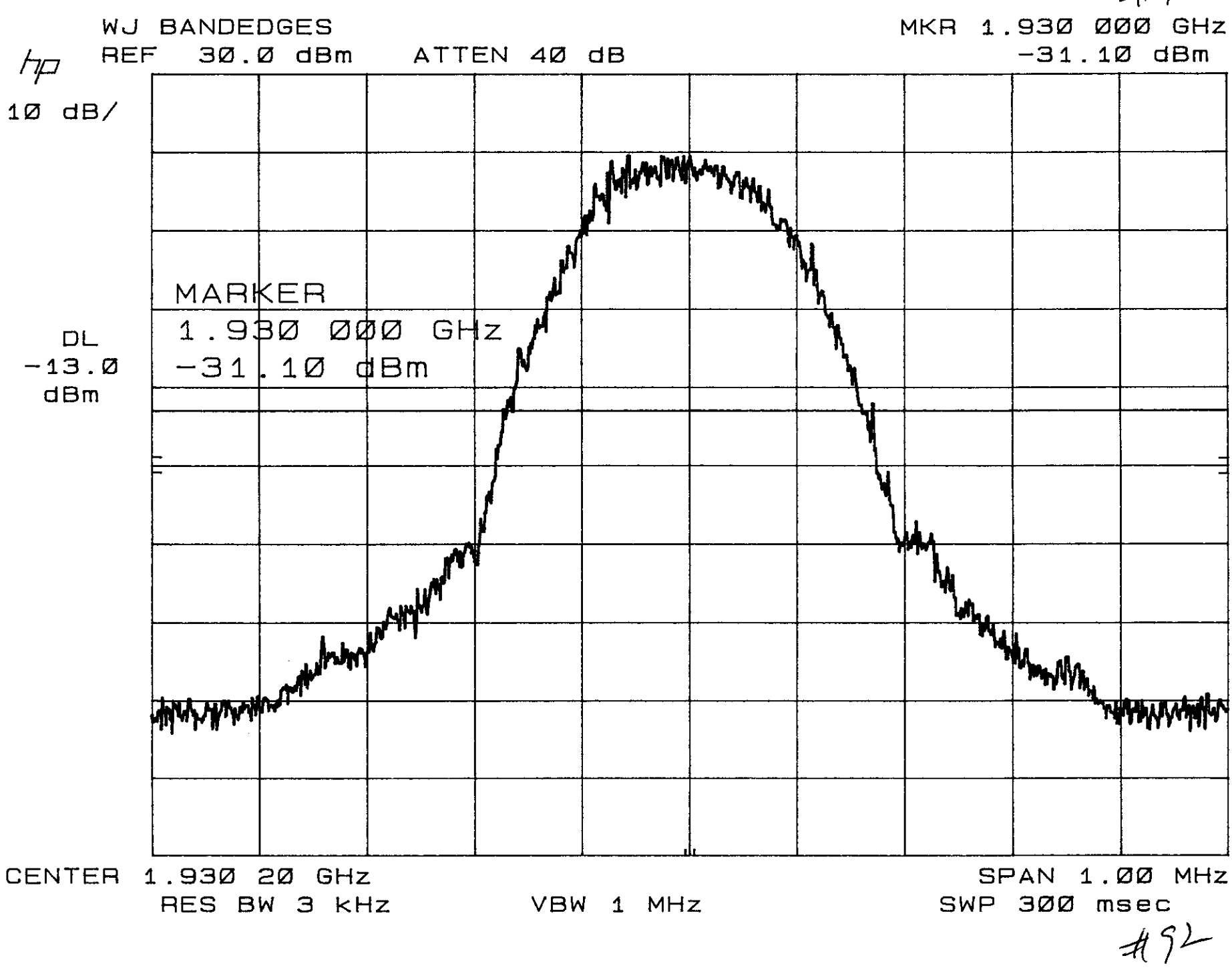
#9

#92 PK


WJ BANDEDGES
REF 30.0 dBm
ATTEN 40 dB
MKR 1.945 000 GHz
-25.40 dBm
10 dB/
MARKER
1.945 000 GHz
-25.40 dBm
DL
-13.0
dBm
CENTER 1.944 80 GHz
RES BW 3 kHz
VBW 1 MHz
SPAN 1.00 MHz
SWP 300 msec

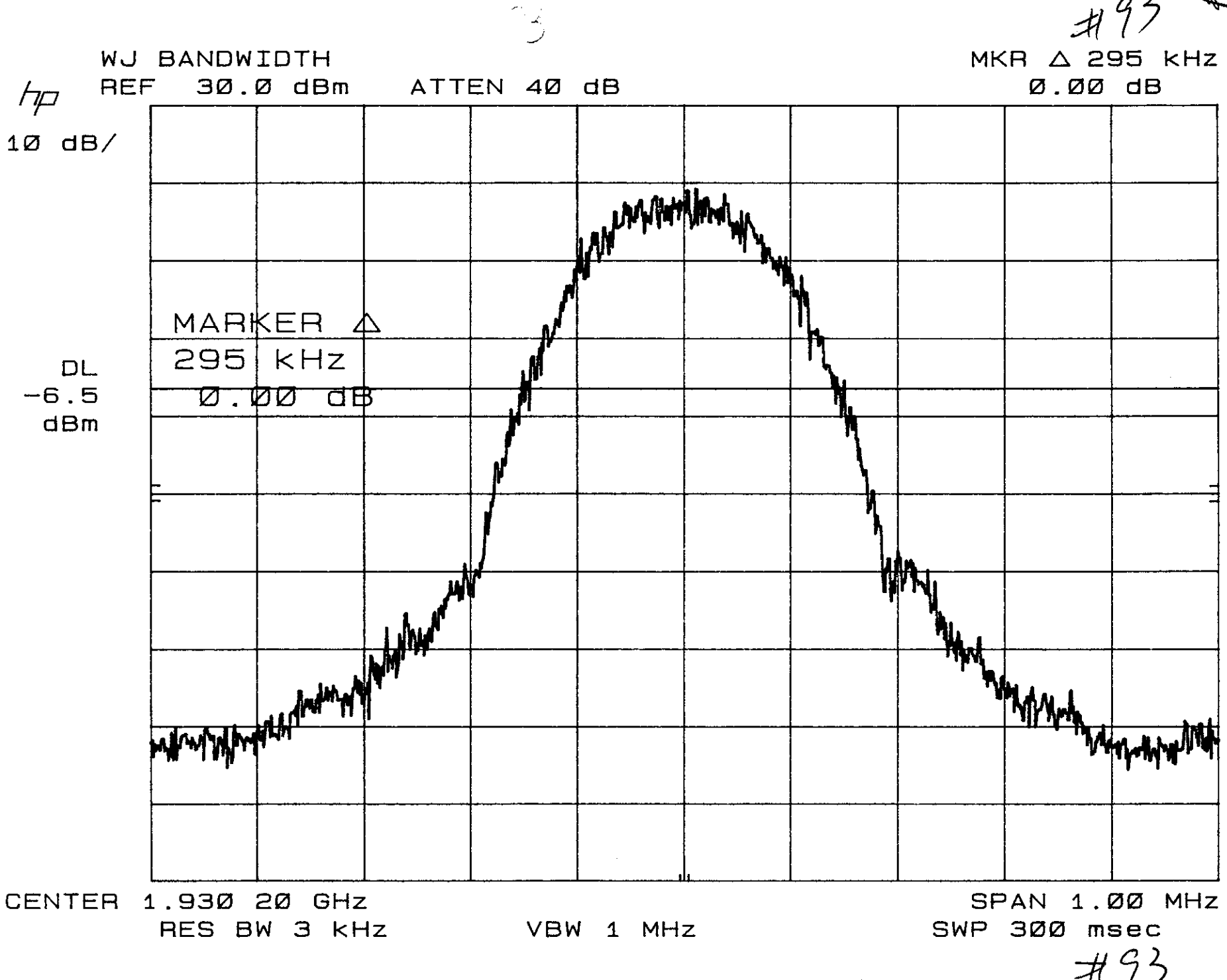
#92

#92 PK


WJ BANDEDGES
MKR 1.930 000 GHz
REF 30.0 dBm
ATTEN 40 dB
−31.10 dBm
10 dB/
MARKER
1.930 000 GHz
−31.10 dBm
DL
−13.0
dBm
CENTER 1.930 20 GHz
SPAN 1.00 MHz
RES BW 3 kHz
VBW 1 MHz
SWP 300 msec

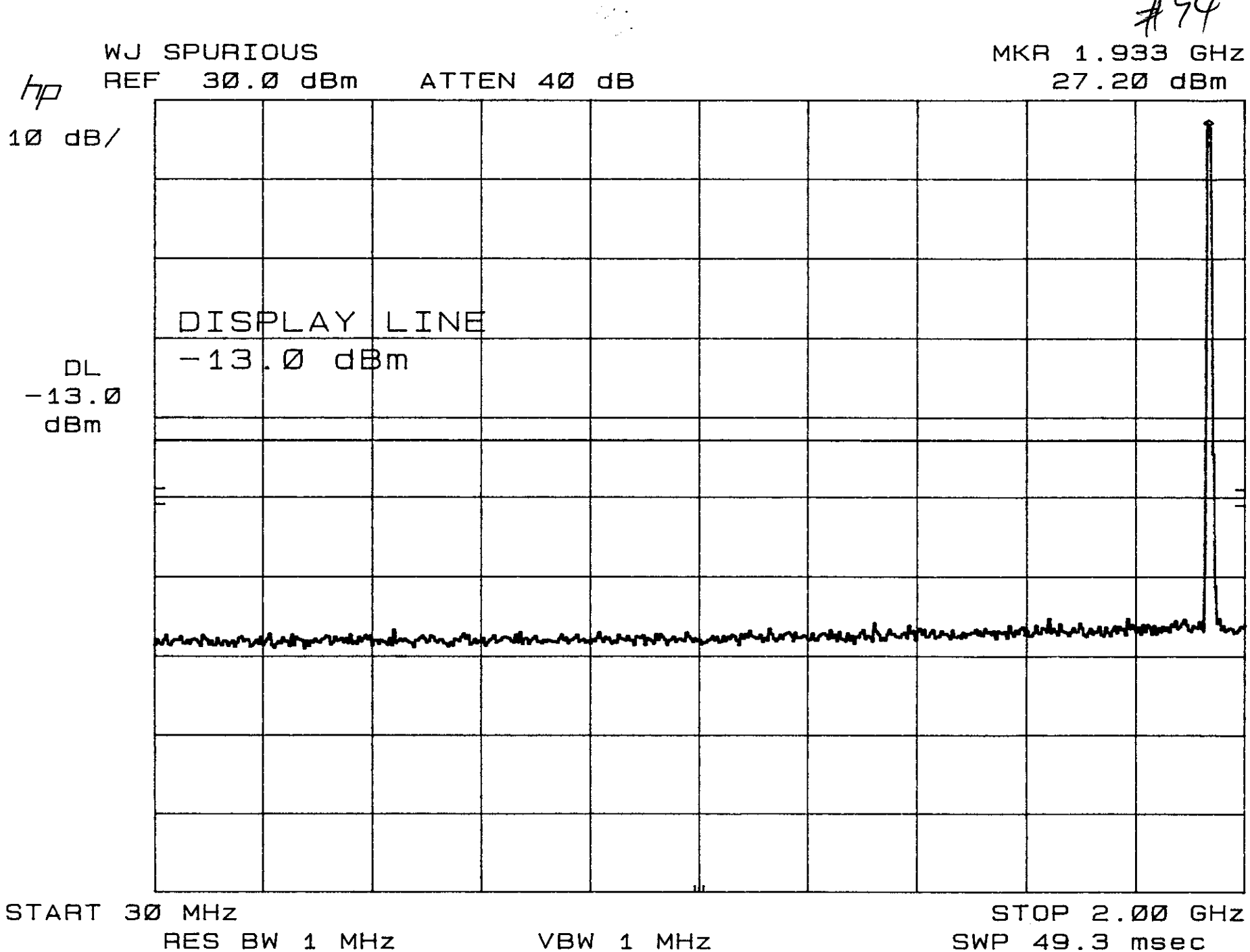
#92

#93 PK

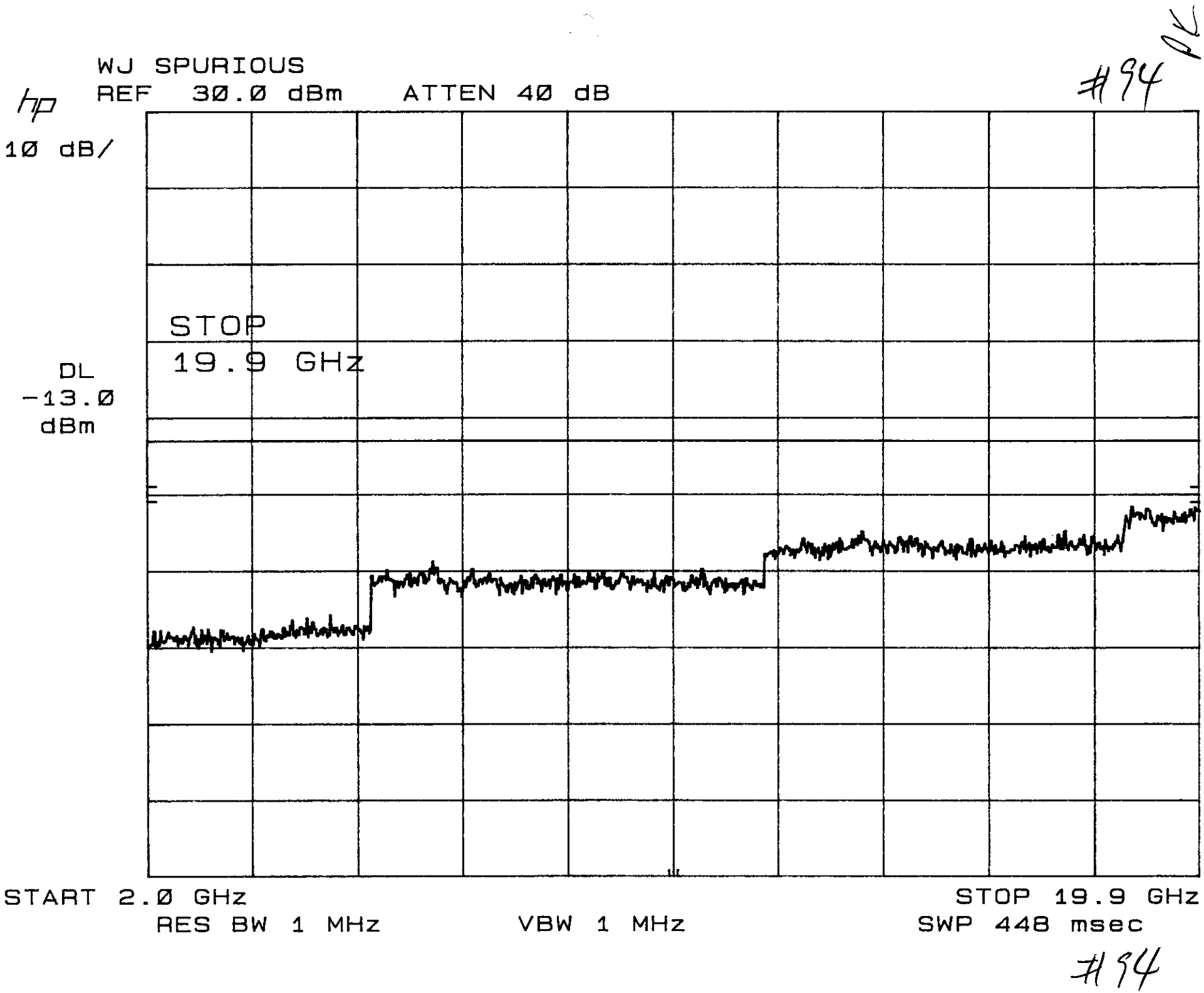

WJ BANDWIDTH
REF 30.0 dBm
ATTEN 40 dB
MKR Δ 295 kHz
0.00 dB
10 dB/
MARKER Δ
295 kHz
0.00 dB
DL
-6.5
dBm
CENTER 1.930 20 GHz
RES BW 3 kHz
VBW 1 MHz
SPAN 1.00 MHz
SWP 300 msec

#93

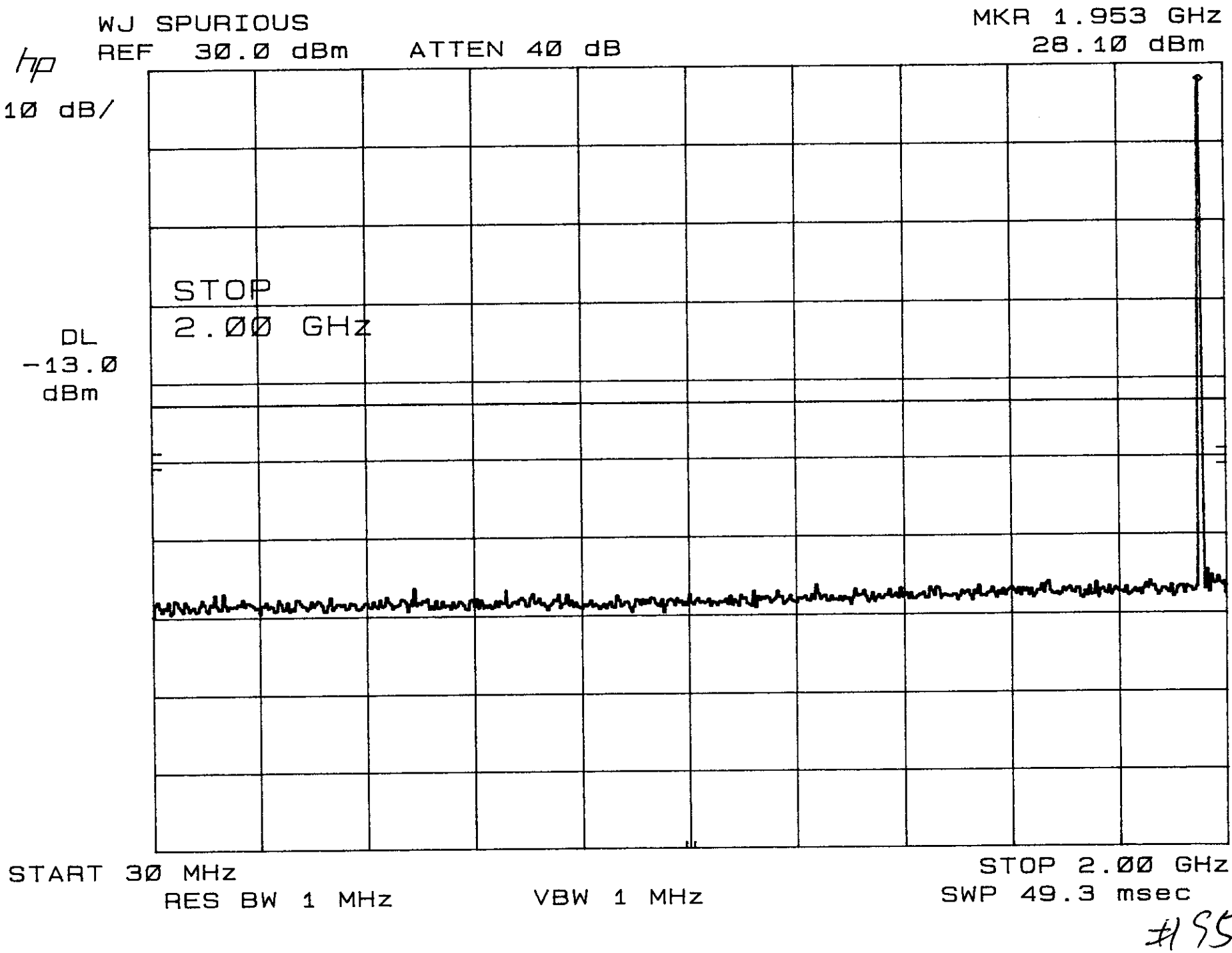
#94


WJ SPURIOUS
MKR 1.933 GHz
REF 30.0 dBm
ATTEN 40 dB
27.20 dBm
10 dB/
DISPLAY LINE
-13.0 dBm
DL
-13.0
dBm
START 30 MHz
STOP 2.00 GHz
RES BW 1 MHz
VBW 1 MHz
SWP 49.3 msec

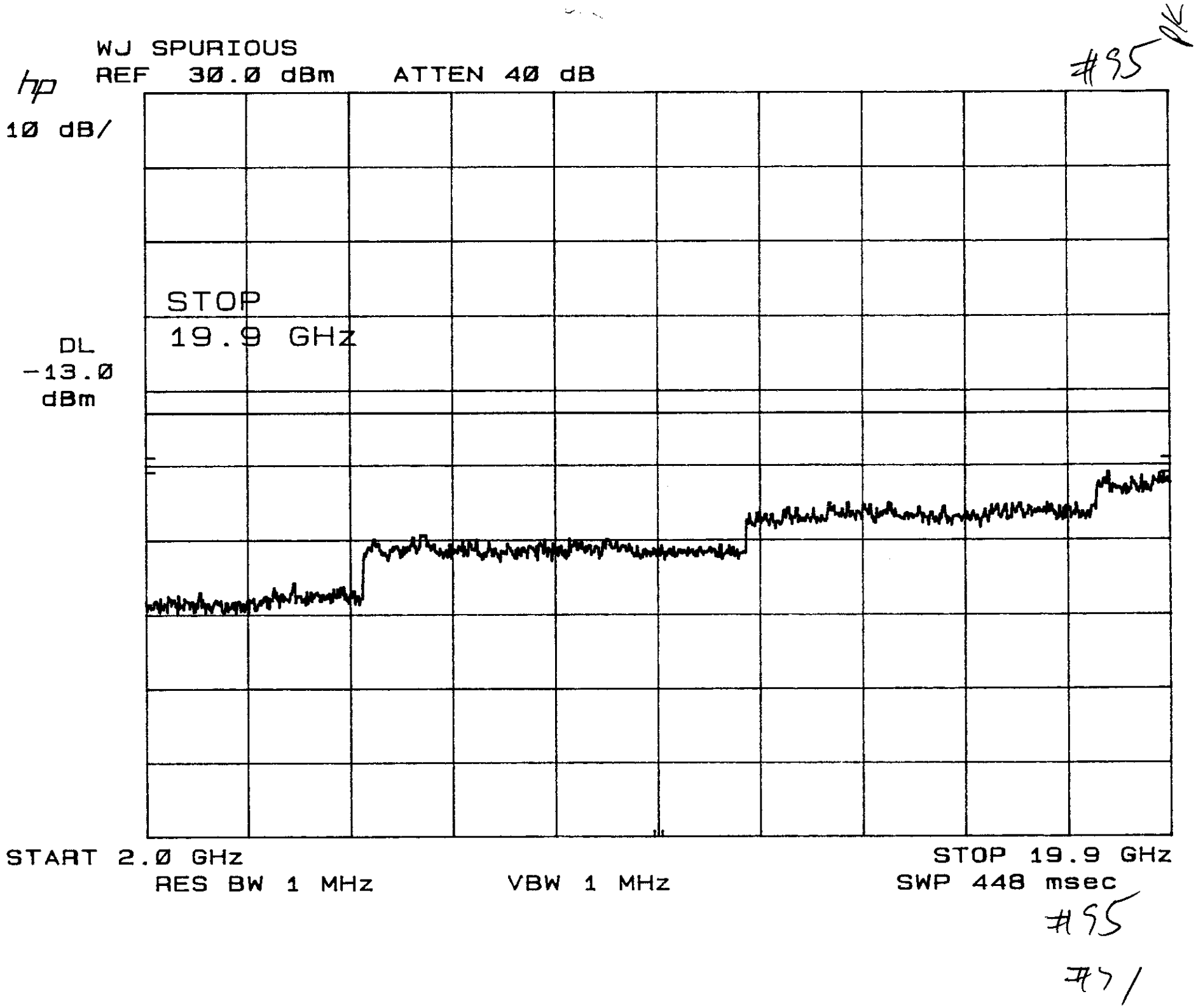
#94


WJ SPURIOUS
REF 30.0 dBm
ATTEN 40 dB
#94
10 dB/
STOP
19.9 GHz
DL
-13.0
dBm
START 2.0 GHz
STOP 19.9 GHz
RES BW 1 MHz
VBW 1 MHz
SWP 448 msec
#94

#195 DL

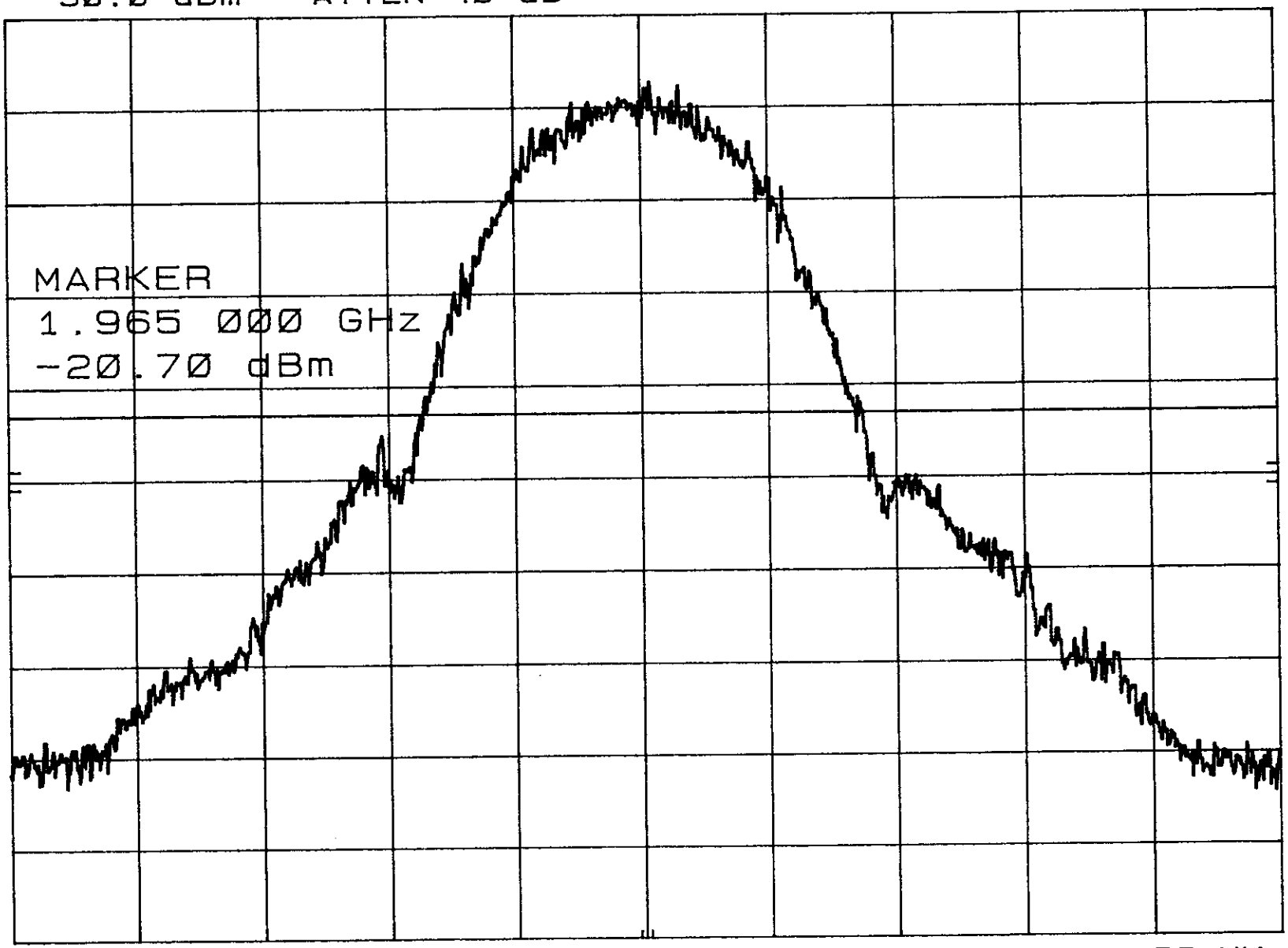

WJ SPURIOUS
REF 30.0 dBm
ATTEN 40 dB
MKR 1.953 GHz
28.10 dBm
10 dB/
STOP
2.00 GHz
DL
-13.0
dBm
START 30 MHz
RES BW 1 MHz
VBW 1 MHz
STOP 2.00 GHz
SWP 49.3 msec

#195


WJ SPURIOUS
REF 30.0 dBm ATTEN 40 dB
#95 pk
hp
10 dB/
STOP
19.9 GHz
DL
-13.0
dBm
START 2.0 GHz
STOP 19.9 GHz
RES BW 1 MHz
VBW 1 MHz
SWP 448 msec
#95
#71

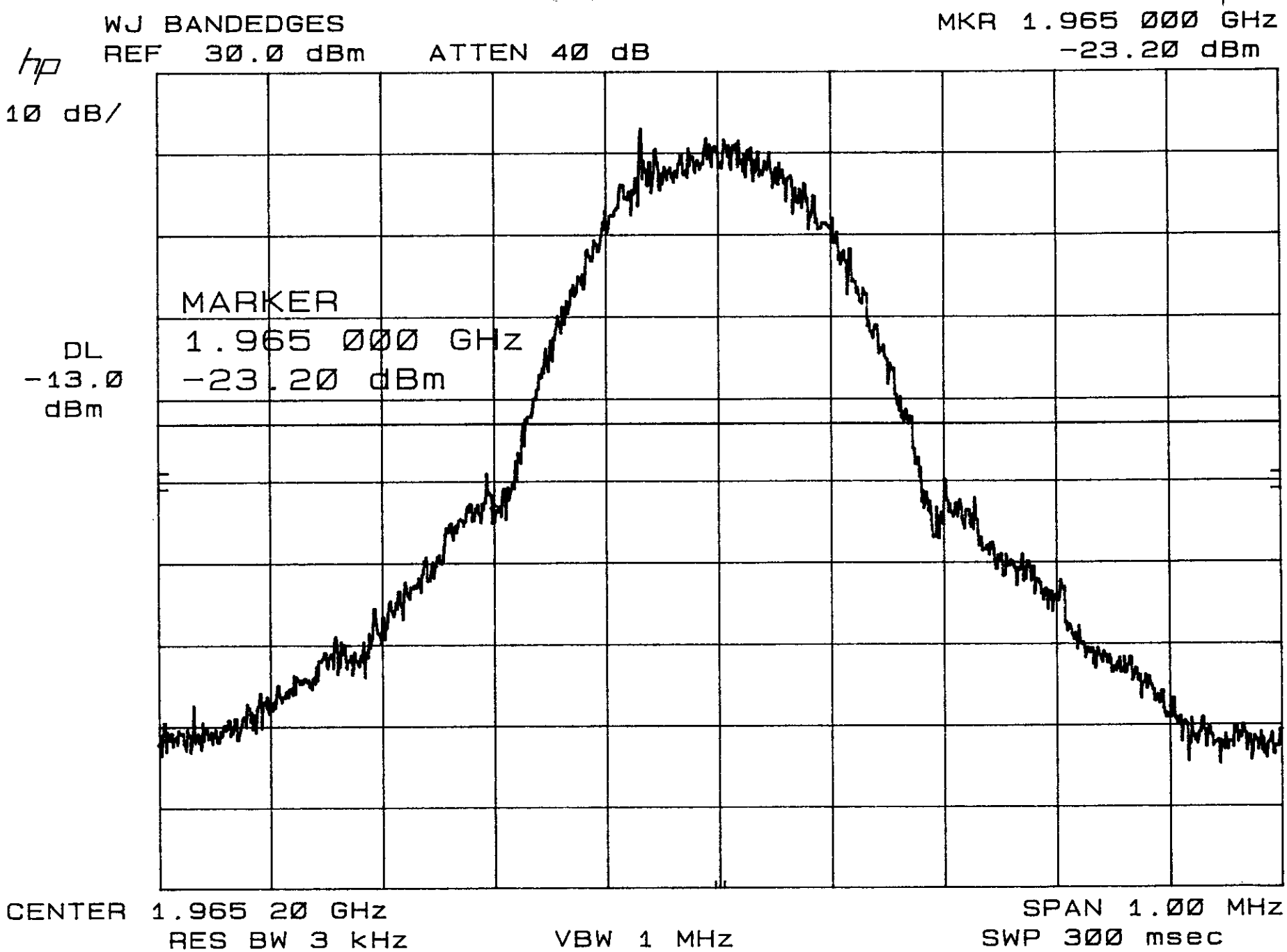
#98

WJ BANDEDGES
REF 30.0 dBm ATTEN 40 dB
MKR 1.965 000 GHz
-20.70 dBm
hp
10 dB/
DL
-13.0
dBm
MARKER
1.965 000 GHz
-20.70 dBm
CENTER 1.964 80 GHz
RES BW 3 kHz
VBW 1 MHz
SPAN 1.00 MHz
SWP 300 msec



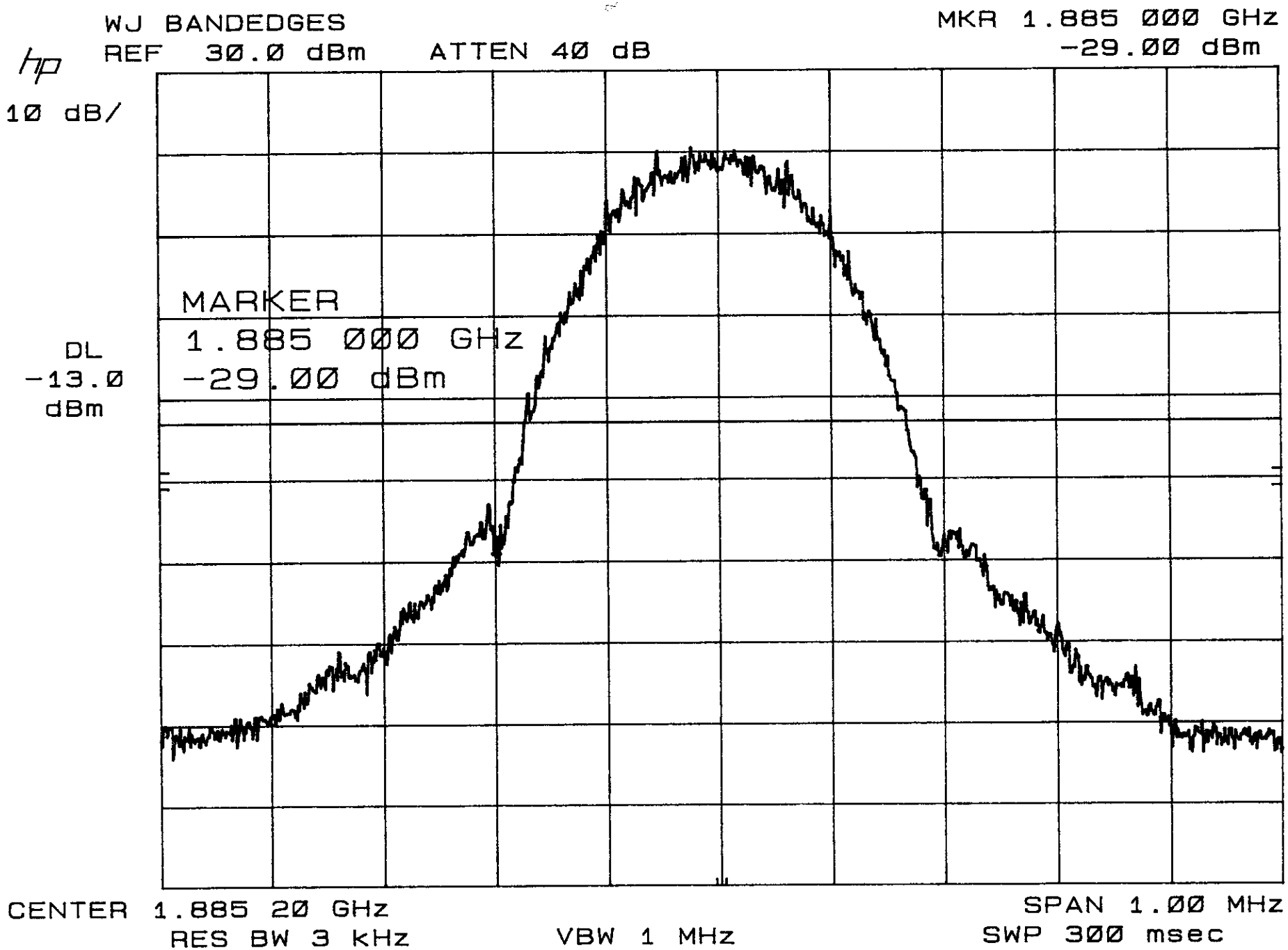
#98

#71


WJ BANDEDGES
REF 30.0 dBm
ATTEN 40 dB
MKR 1.965 000 GHz
-23.20 dBm
10 dB/
MARKER
1.965 000 GHz
-23.20 dBm
DL
-13.0
dBm
CENTER 1.965 20 GHz
RES BW 3 kHz
VBW 1 MHz
SPAN 1.00 MHz
SWP 300 msec

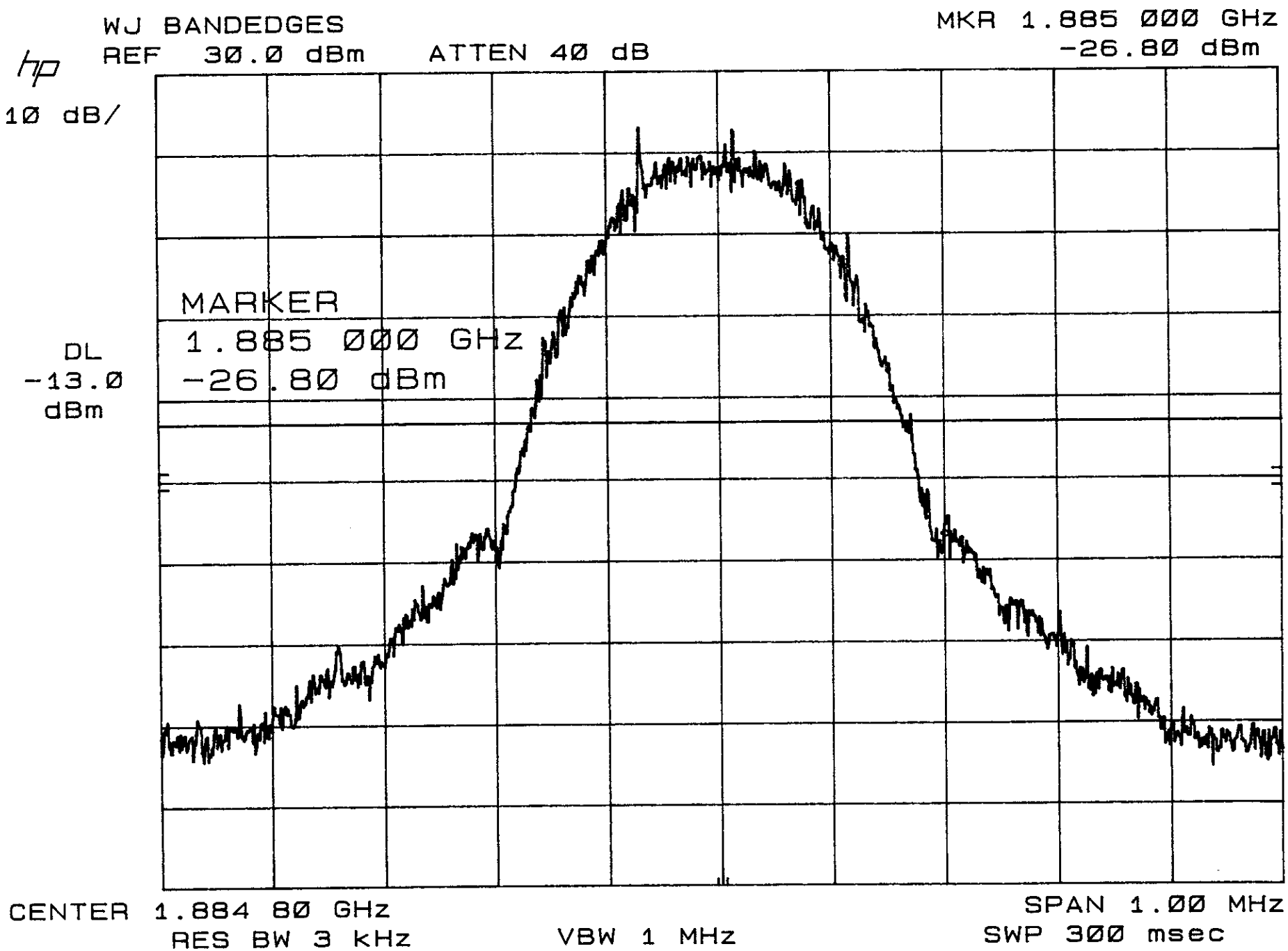
#99

#102

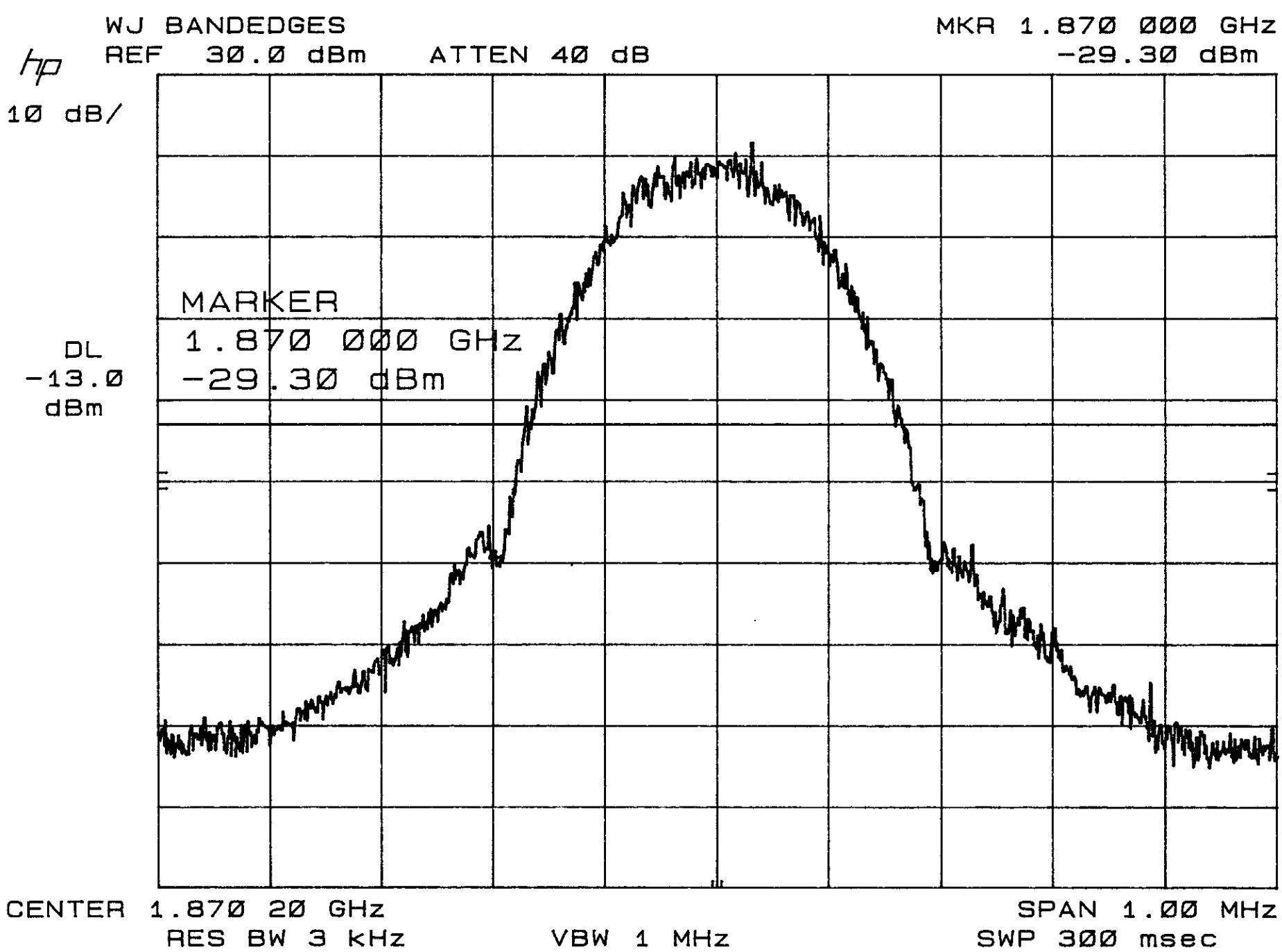

WJ BANDEDGES
REF 30.0 dBm
ATTEN 40 dB
MKR 1.885 000 GHz
-29.00 dBm
10 dB/
DL
-13.0
dBm
MARKER
1.885 000 GHz
-29.00 dBm
CENTER 1.885 20 GHz
RES BW 3 kHz
VBW 1 MHz
SPAN 1.00 MHz
SWP 300 msec

#102

#103 PK


WJ BANDEDGES
REF 30.0 dBm
ATTEN 40 dB
MKR 1.885 000 GHz
-26.80 dBm
hp
10 dB/
DL
-13.0
dBm
MARKER
1.885 000 GHz
-26.80 dBm
CENTER 1.884 80 GHz
RES BW 3 kHz
VBW 1 MHz
SPAN 1.00 MHz
SWP 300 msec

#103

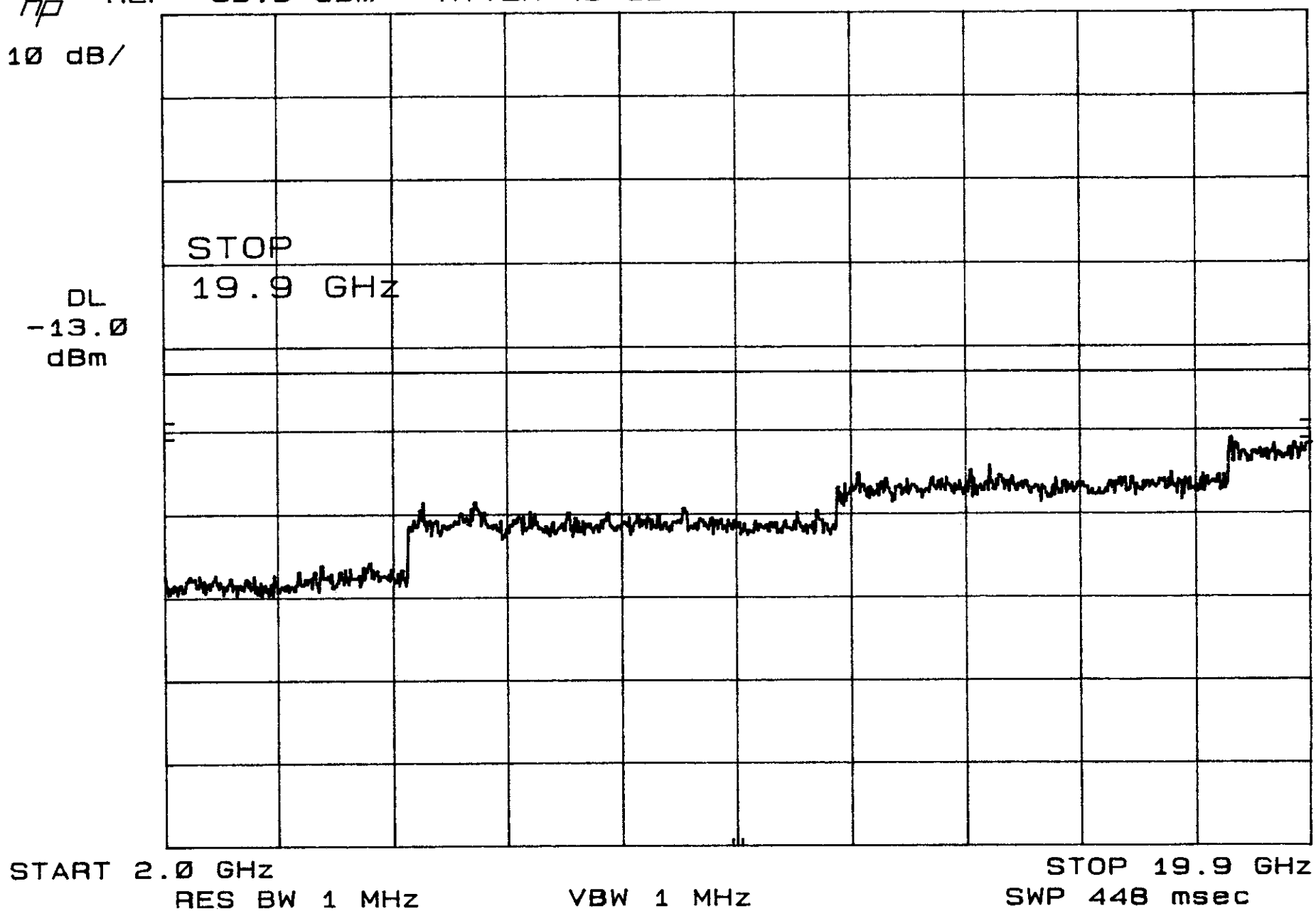

WJ BANDEDGES
MKR 1.870 000 GHz
REF 30.0 dBm
ATTEN 40 dB
-29.30 dBm
10 dB/
MARKER
1.870 000 GHz
DL
-13.0
dBm
-29.30 dBm
CENTER 1.870 20 GHz
SPAN 1.00 MHz
RES BW 3 kHz
VBW 1 MHz
SWP 300 msec

#104

#105

#106

#106


WJ SPURIOUS
REF 30.0 dBm
ATTEN 40 dB
10 dB/
STOP
19.9 GHz
DL
-13.0
dBm
START 2.0 GHz
RES BW 1 MHz
VBW 1 MHz
STOP 19.9 GHz
SWP 448 msec

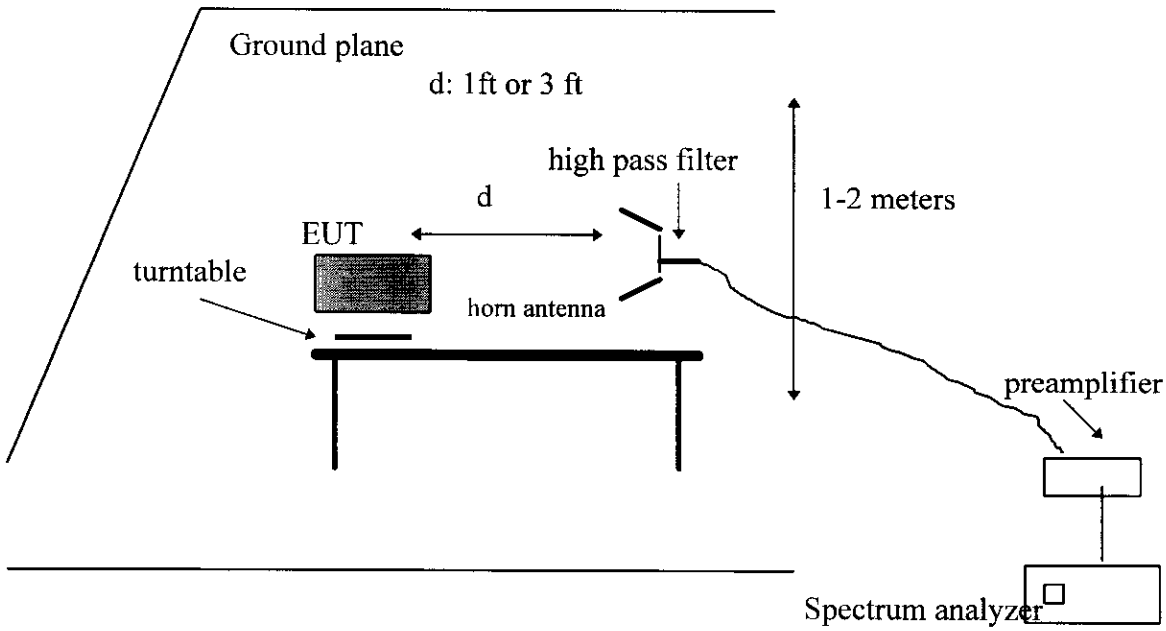
#106

Section 2.993 Measurement Required: Field Strength of Spurious and Harmonic Radiation

Measurement Equipment Used:

HP 8563E Spectrum Analyzer
HP 8449 B Preamplifier, 1-26 GHz
ARA DRG-118/A Double Ridged Horn antenna, 1 - 18 GHz
QIM "The Workhorse" low loss cable, 9 ft (loss: 0.85 dB/ft@ 26 GHz)

Test Set-Up



Minimum Requirement

The magnitude of each spurious and harmonic emission detected as being radiated from the EUT must be at a level more than 43 + 10 log(mean output power, watts) dB below the mean power output (= -13 dBm).

Resultant radiated field at 3 m from -13 dBm source feeding isotropic antenna: 82.4 dBuV/m

Test Method

The antenna output port of the EUT was terminated with a 50 ohm shielded termination. With the transmitter operating at full power, the EUT was rotated 360° and the search antenna was raised and lowered in both polarities, all in an attempt to maximize the levels of the received emission for each harmonic and spurious emission up to 10 fo.

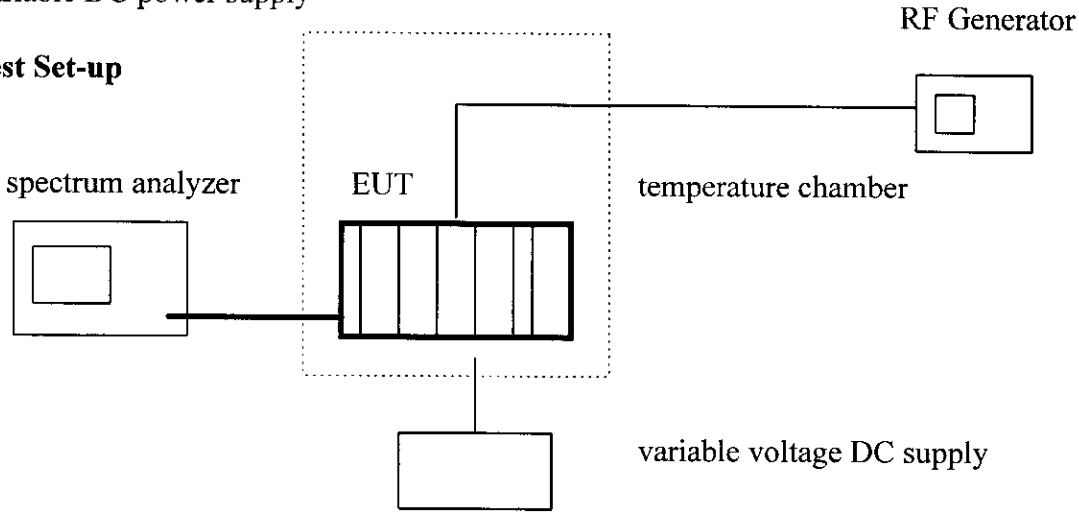
Test Results

Corrected field strength readings extrapolated to 3m: more than 20 dB below limit.

Section 9.295 Measurement Required: Frequency Stability

Measurement Equipment Used:
HP 8563E Spectrum Analyzer
QIM "The Workhorse" low loss cable, 9 ft (loss: 0.85 dB/ft@ 26 GHz)
Variable DC power supply

Test Set-up



Section 24.235 : States Frequency stability shall be sufficient to ensure that fundamental emissin stays within the authorized frequency block.

Test Method
Temperature: Vary the ambient temperature from -30 to +50°C, in 10 degree increments, allowing the EUT to stabilize at each temperature.

Primary Supply Voltage: Vary the supply voltage from 85% to 115% of the nominal operating voltage with EUT at 20°C.

Test Procedure :

At each frequency the MKR function of the analyzer was activated and a marker was placed where the emission mask intersected the bandedge frequency of the adjacent frequency block. During frequency stability test, if the operating frequency drifted towards band edge, hte marker would appear to "crawl" up the emission mask. Amplitude level at the marker (bandedge indicator) must remain below the -13dBm limit line.

Test Results

Tests were performed at :

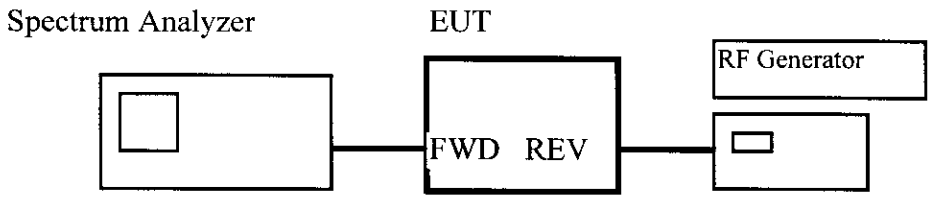
Temp	Block A/CW		Block B/CW		Block C/CW		Duration
	FWD/1930	REV/1850	FWD/1950	REV/1870	FWD/1975	REV/1895	
-30	.00013	.00013	.00013	.00013	.00013	.00013	1hour
-20	.00013	.00013	.00013	.00013	.00013	.00013	20 min
-10	.00013	.00013	.00013	.00013	.00013	.00013	20 min
0	.00013	.00013	.00013	.00013	.00013	.00013	10 min
10	.00013	.00013	.00013	.00013	.00013	.00013	10 min
20	.00013	.00013	.00013	.00013	.00013	.00013	10 min
30	.00013	.00013	.00013	.00013	.00013	.00013	10 min
40	.00013	.00013	.00013	.00013	.00013	.00013	20 min
50	.00013	.00013	.00013	.00013	.00013	.00013	30 min
Voltage							
115%	.00013	.00013	.00013	.00013	.00013	.00013	30 min
85%	.00013	.00013	.00013	.00013	.00013	.00013	30 min
Direct connect analyzer to signal generator 0.00013 Voltage from 102V to 138V							

For both temperature Vs frequency and voltage Vs frequency stability tests, no discernible drift of the emission mask was detected.

Section 24.232: RF Power Output

Measurement Equipment Used:
HP 8563E Spectrum Analyzer
QIM "The Workhorse" low loss cable, 9 ft (loss: 0.85 dB/ft@ 26 GHz)

Test Setup:



Test Method

RF output power was measured with Spectrum Analyzer (Set to 3MHZ RES BW)

For CDMA
Power In : -45dBm
Power Out: 23 dBm, for both FWD and REV channels.

For TDMA and GSM
Power In: -38dBm
Power Out:28dBm, for both FWD and REV channels.

Section 1.1307 Routine Environmental Evaluation

The R1910-1 repeater total power output is much less than 2000W ERP and therefore routine evaluation is NOT required for RF exposure to personnel.