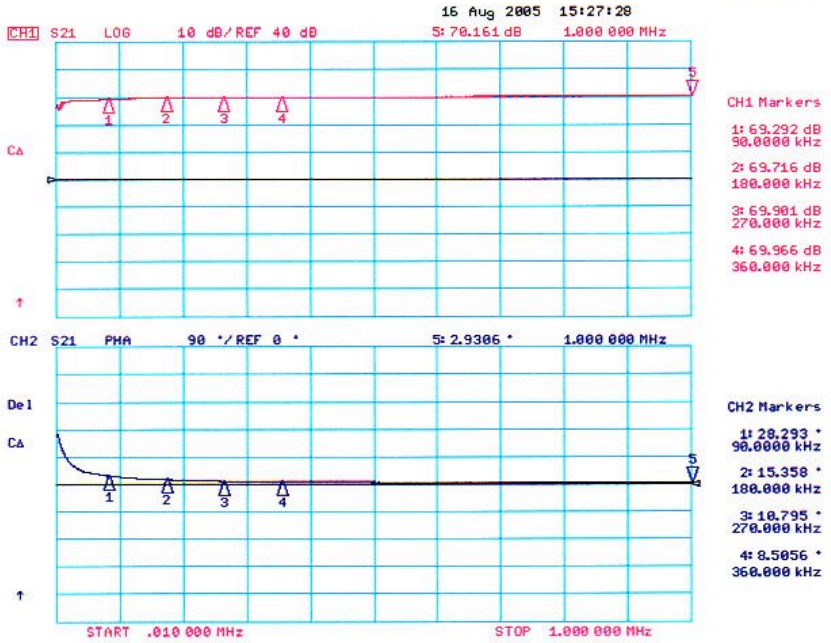
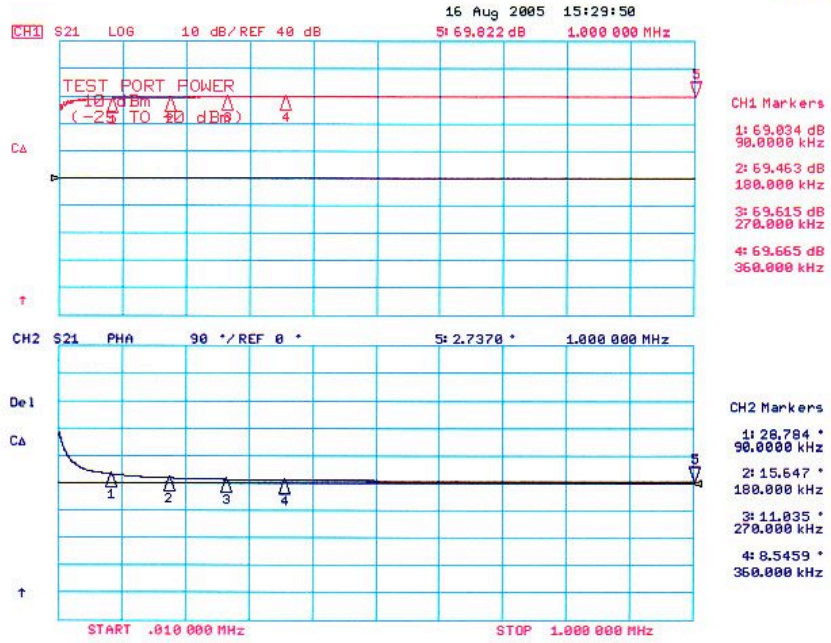
#22030

-20dbm
208V



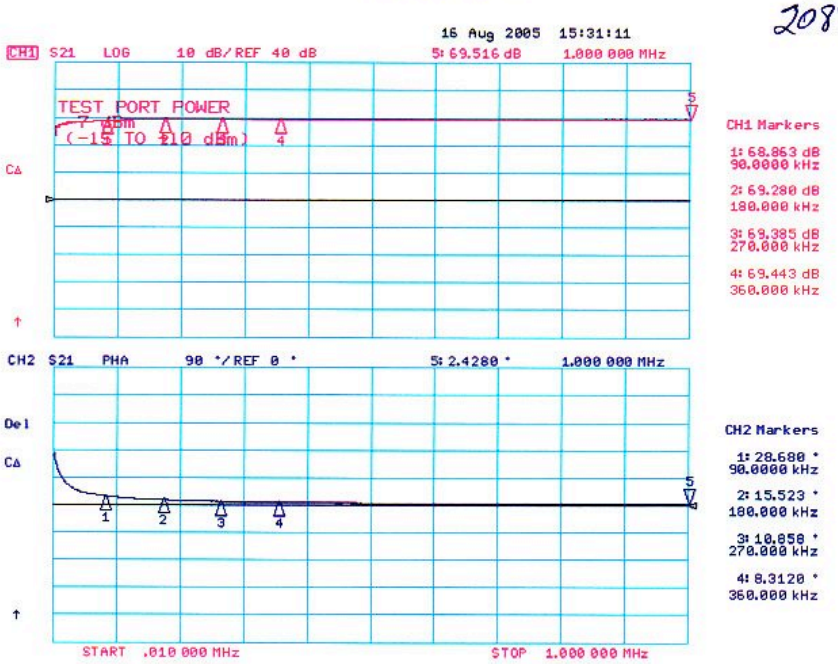
#22030

-10dbm
208V



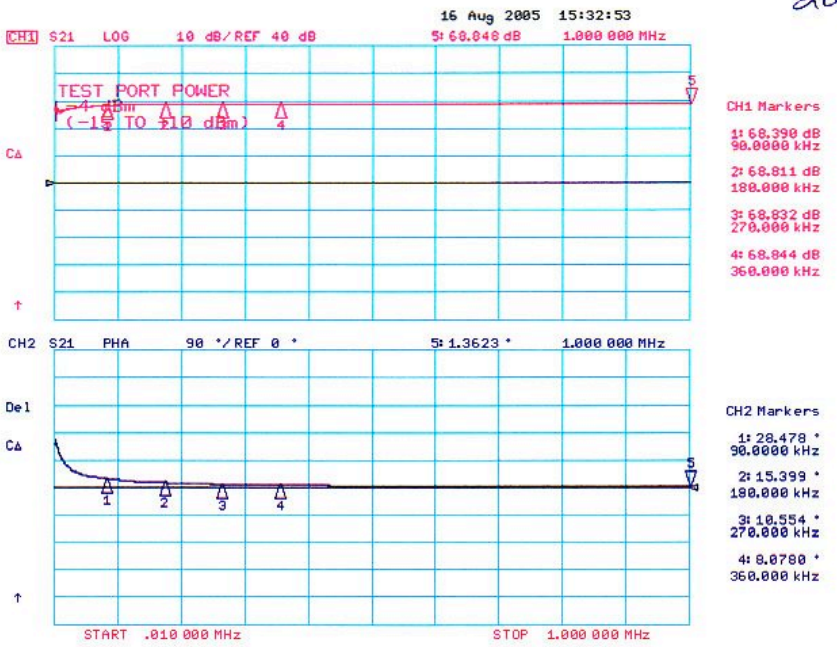
#22030

-7dbm
208V



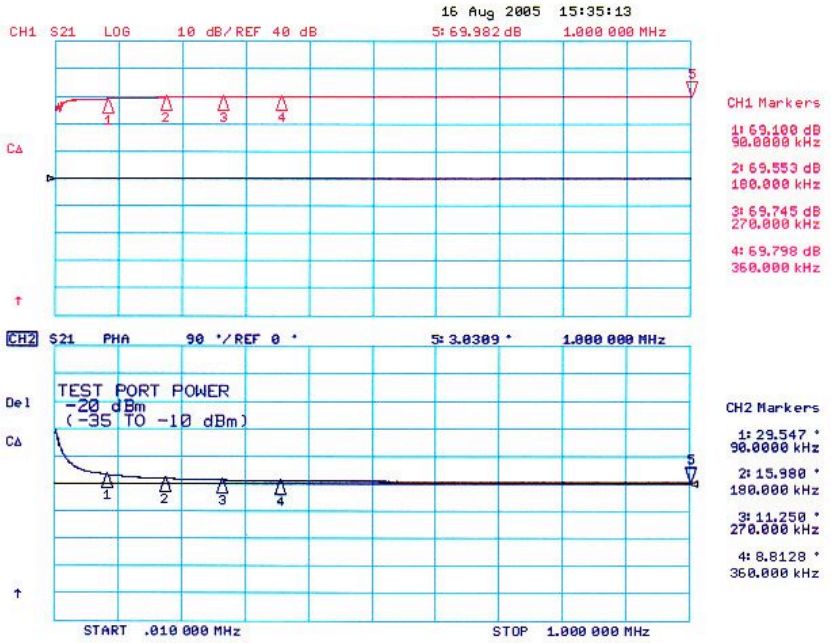
#22030

-4dbm
208V



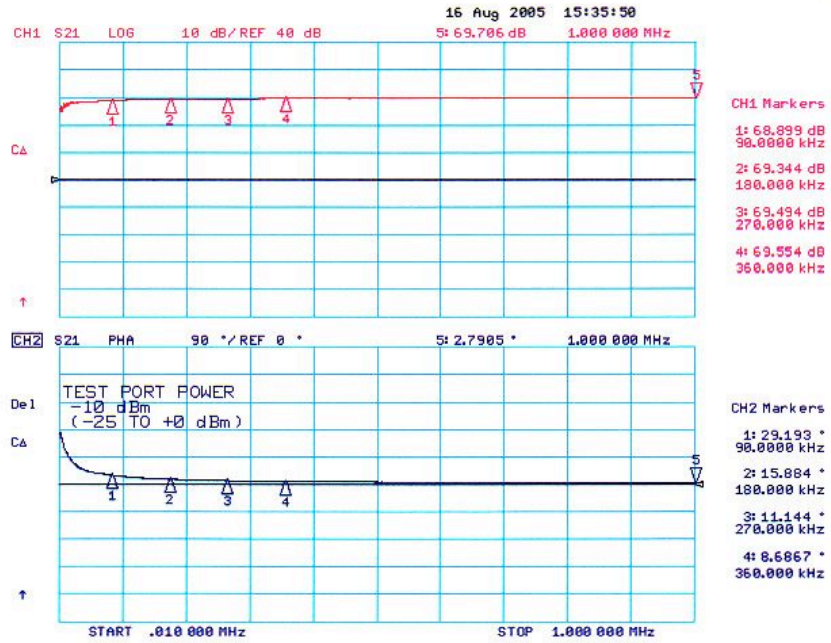
#22030

-20dbm
188V



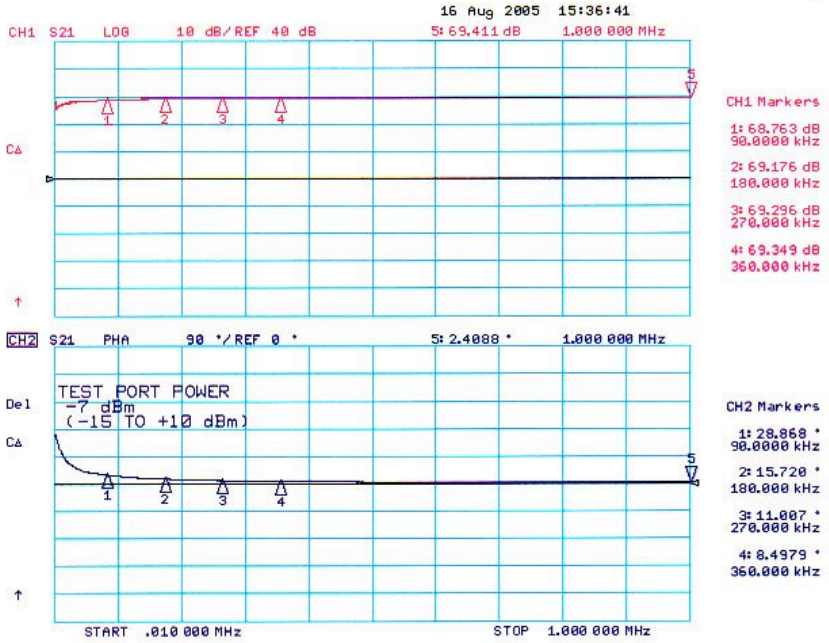
#22030

-10dbm
188V



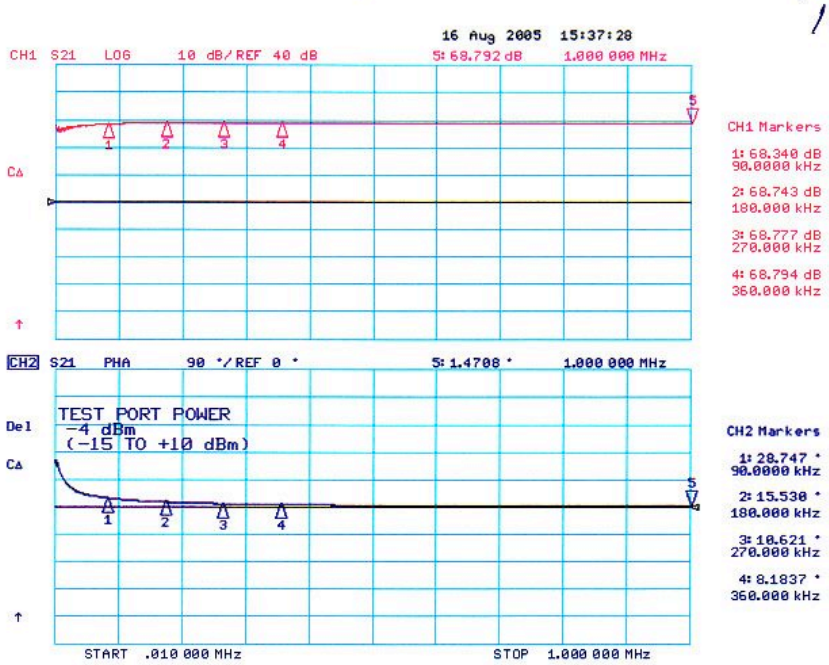
#22030

-7dbm
188V



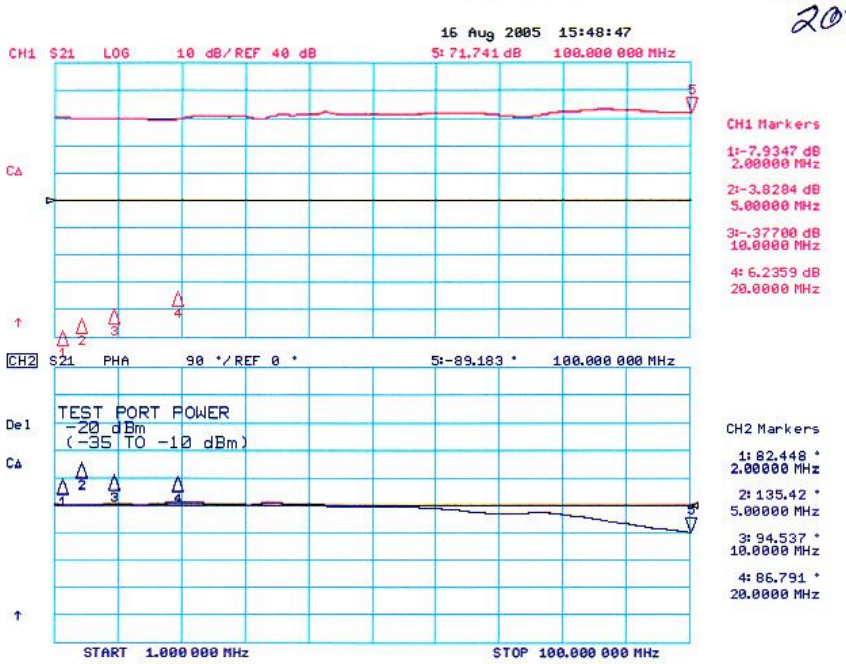
#22030

-4dbm
188V



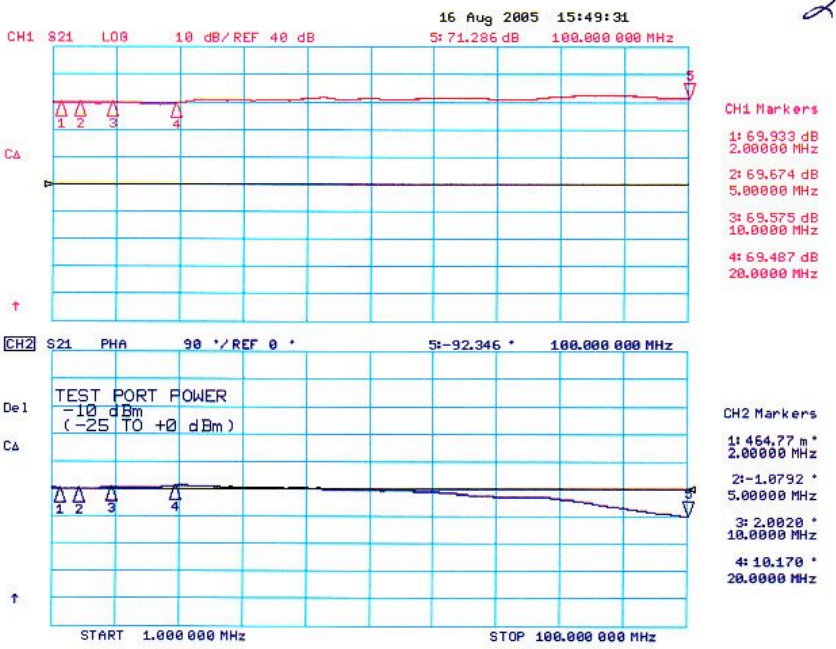
#22030

-20dbm
208V



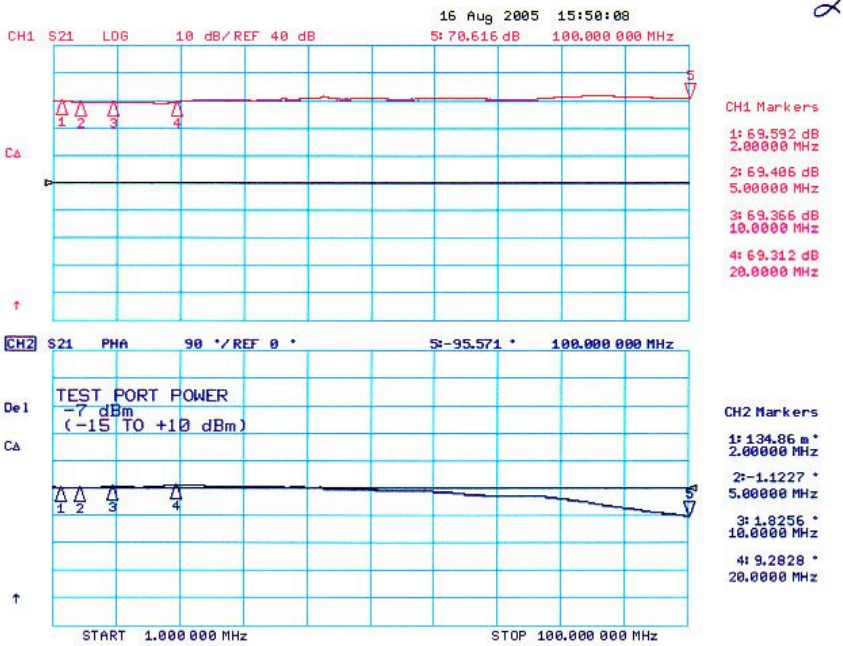
22030

-10dbm
208V



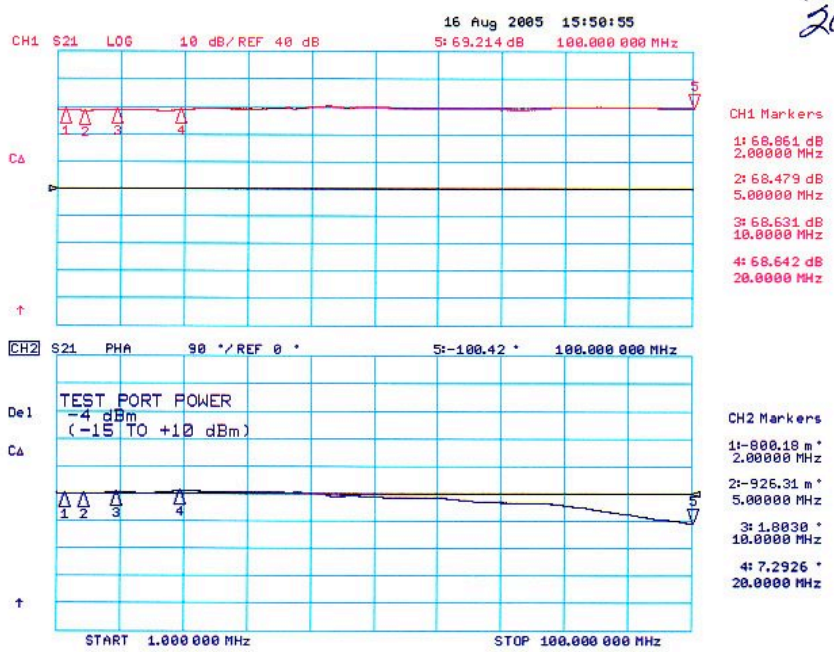
#22030

-7dbm
208V



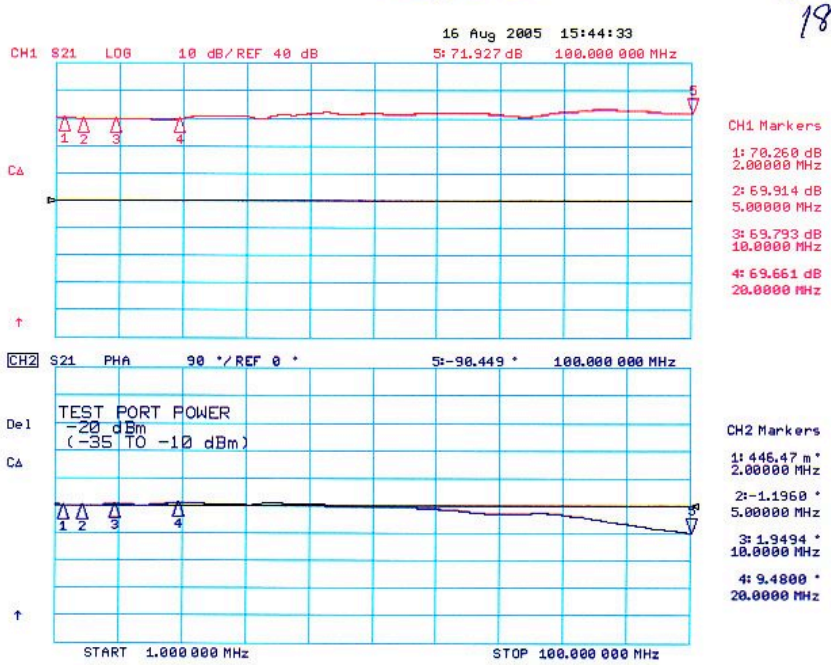
#22030

-4dbm
208V



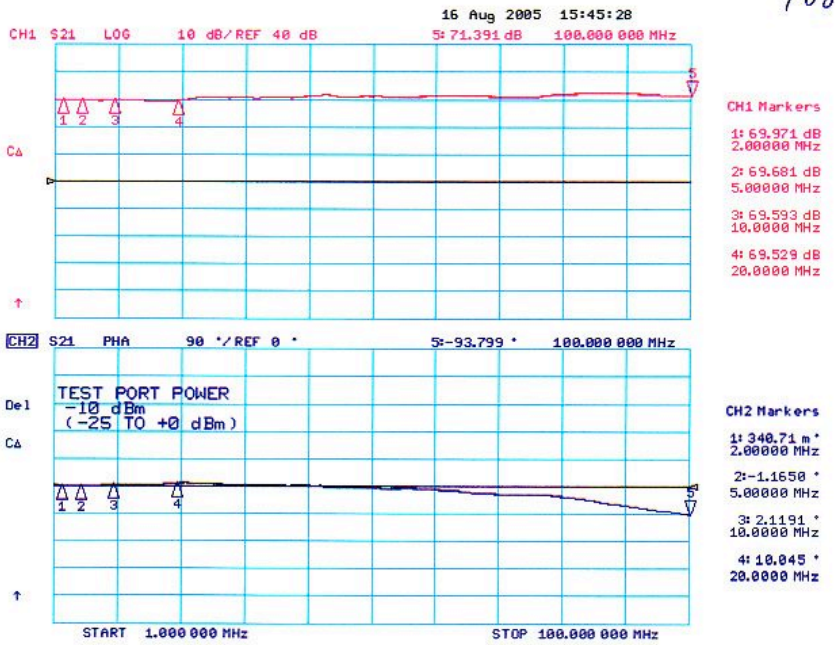
#22030

-20dbm
188V

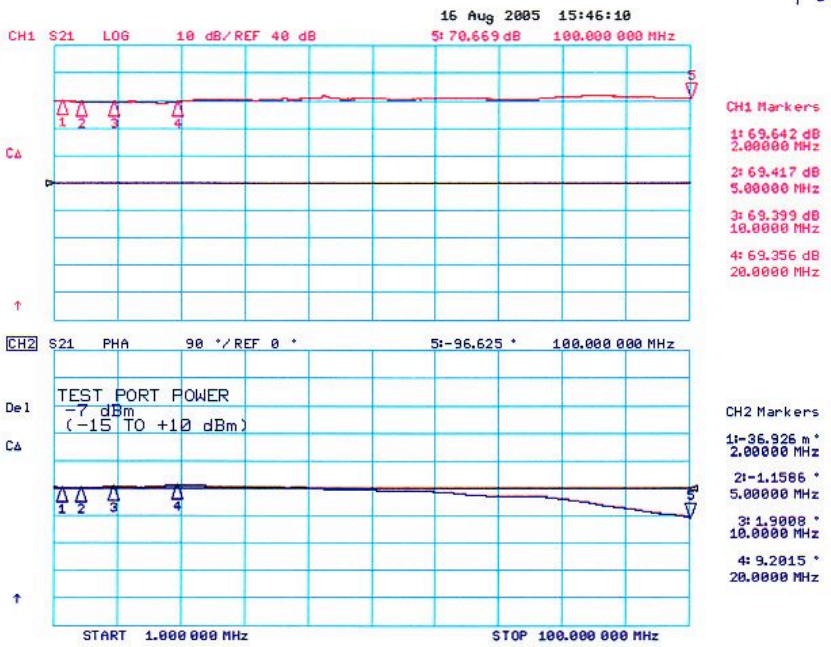


#22030

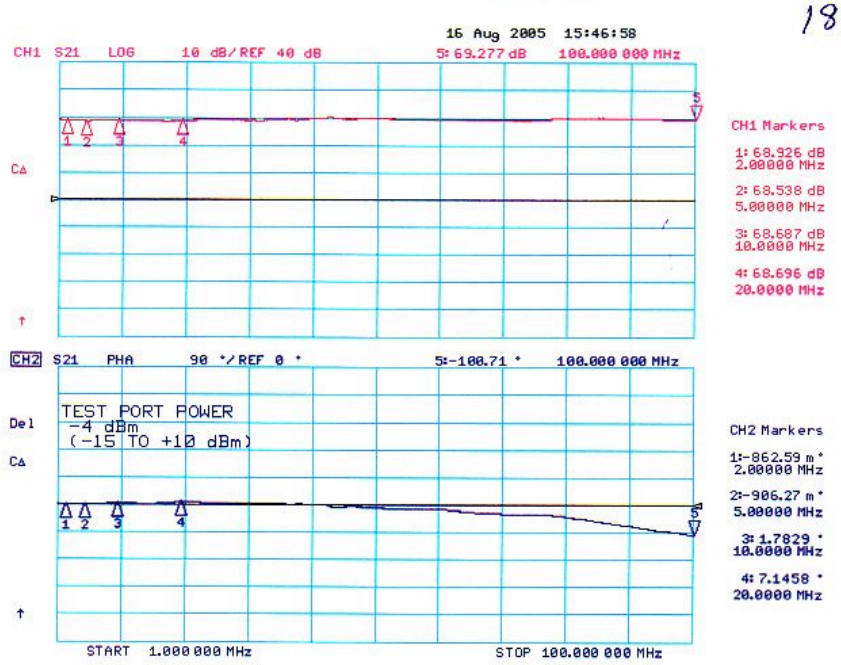
-10dbm
188V



#22030 — 7dbm 188V



#22030 — -4dbm 188V



FERMILAB
ENGINEERING NOTE

SECTION	PROJECT	SERIAL-CATEGORY	PAGE
F = 1MHz		22030	1

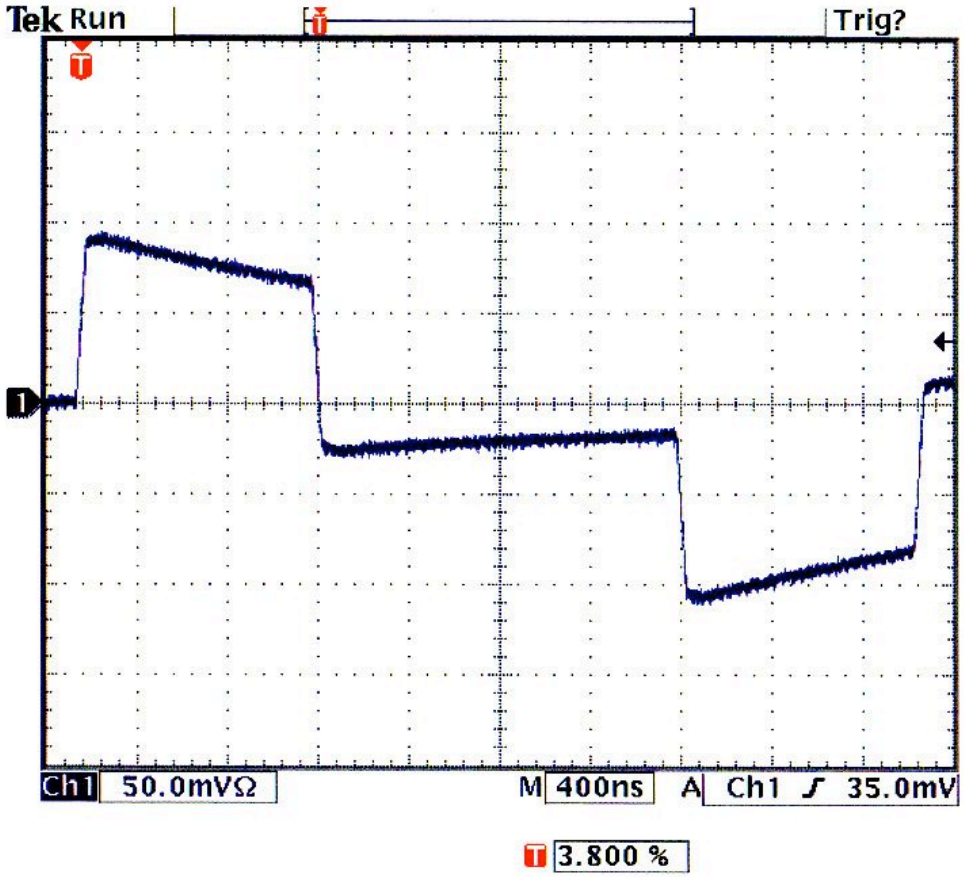
SUBJECT: 3500A100 Gain variation with time/temp.

NAME: MCA

DATE: 8-17-05 REVISION DATE: 208V.

Cold start	Vector Voltmeter	Panel
9:31	−9.7dbm	480W.
9:36	−10.76dbm	380W.
9:41	−11.18dbm	340W.
9:46	−11.46dbm	320W.
9:51	−11.61dbm	300W.
9:56	−11.77dbm	300W.
10:01	−11.77dbm	300W.

Output ≈ 100V Pk Ser. # 22030

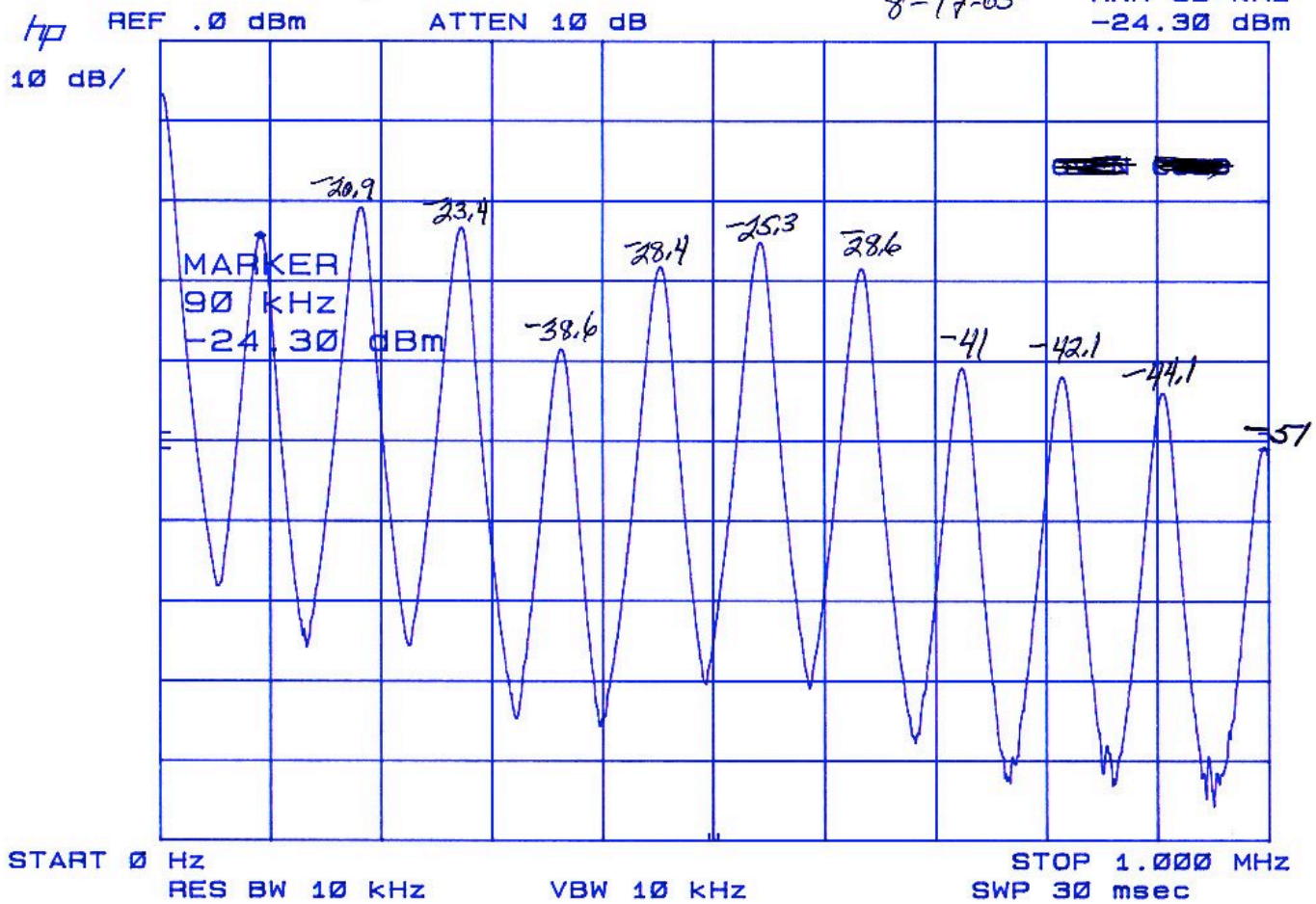


17 Aug 2005
10:55:01

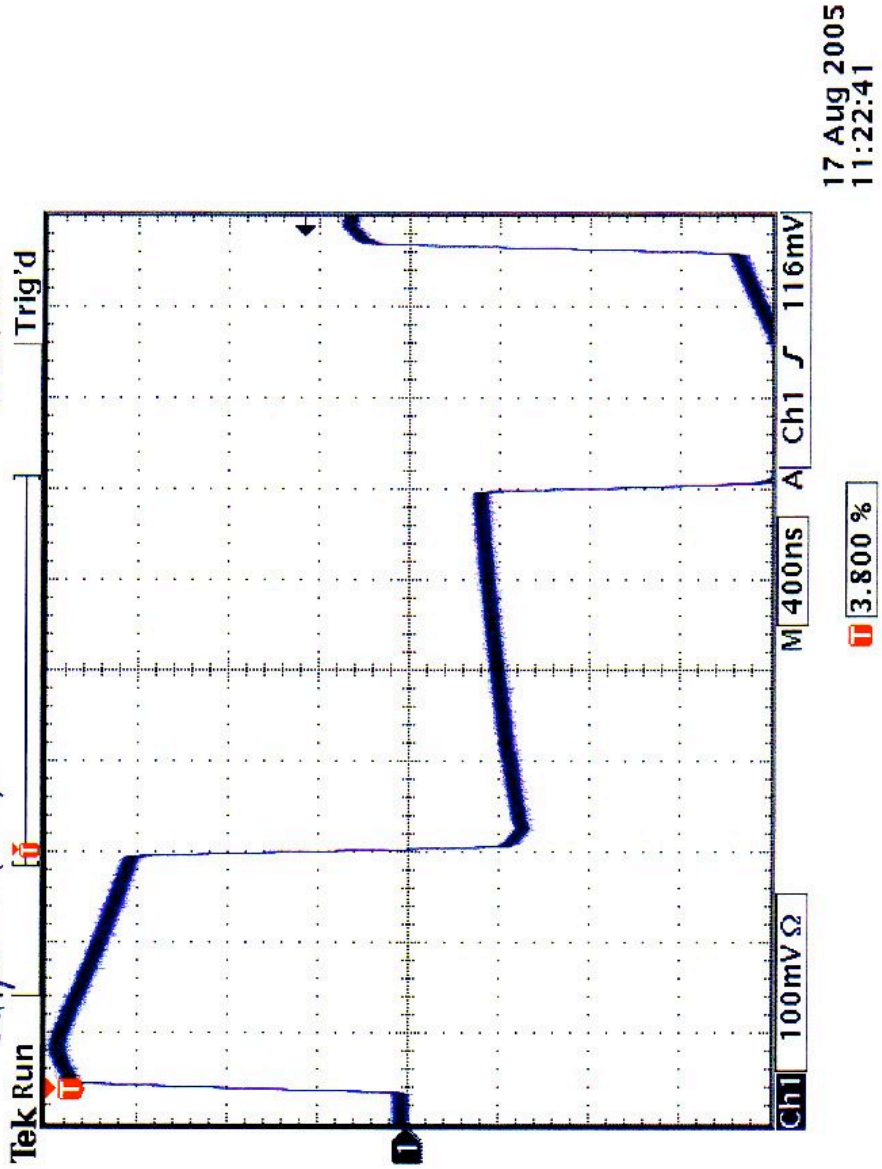
Output = 100Vpk

#22030

8-17-05

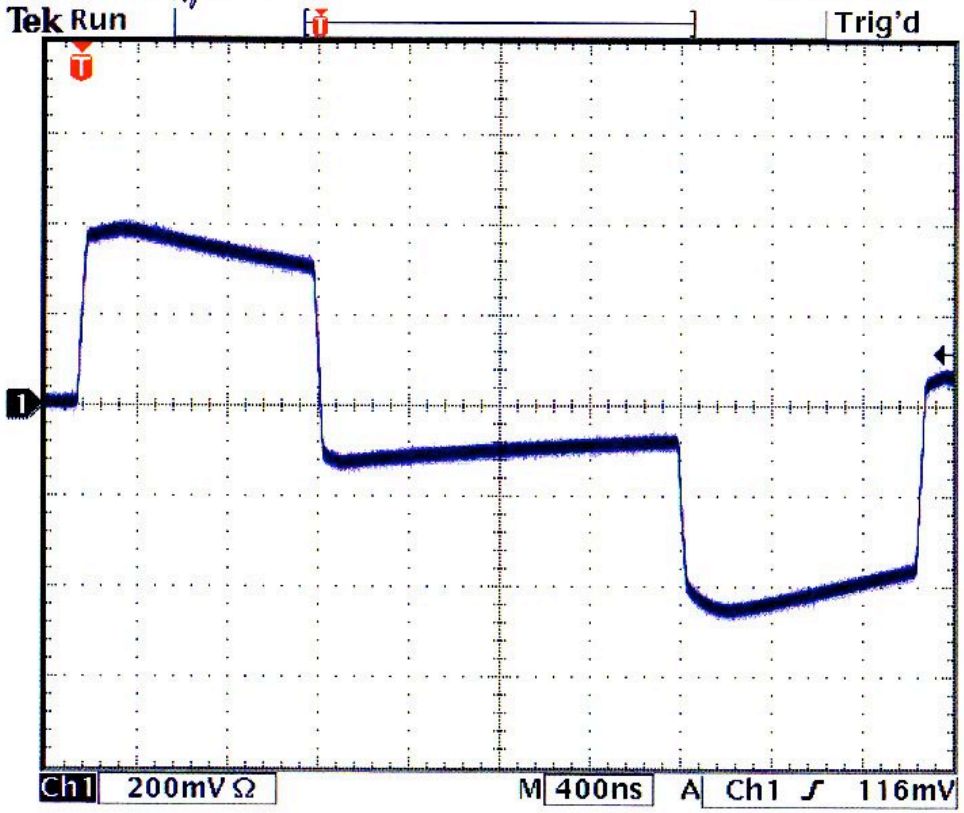


TDS 3034 17 Aug 2005 11:22:42



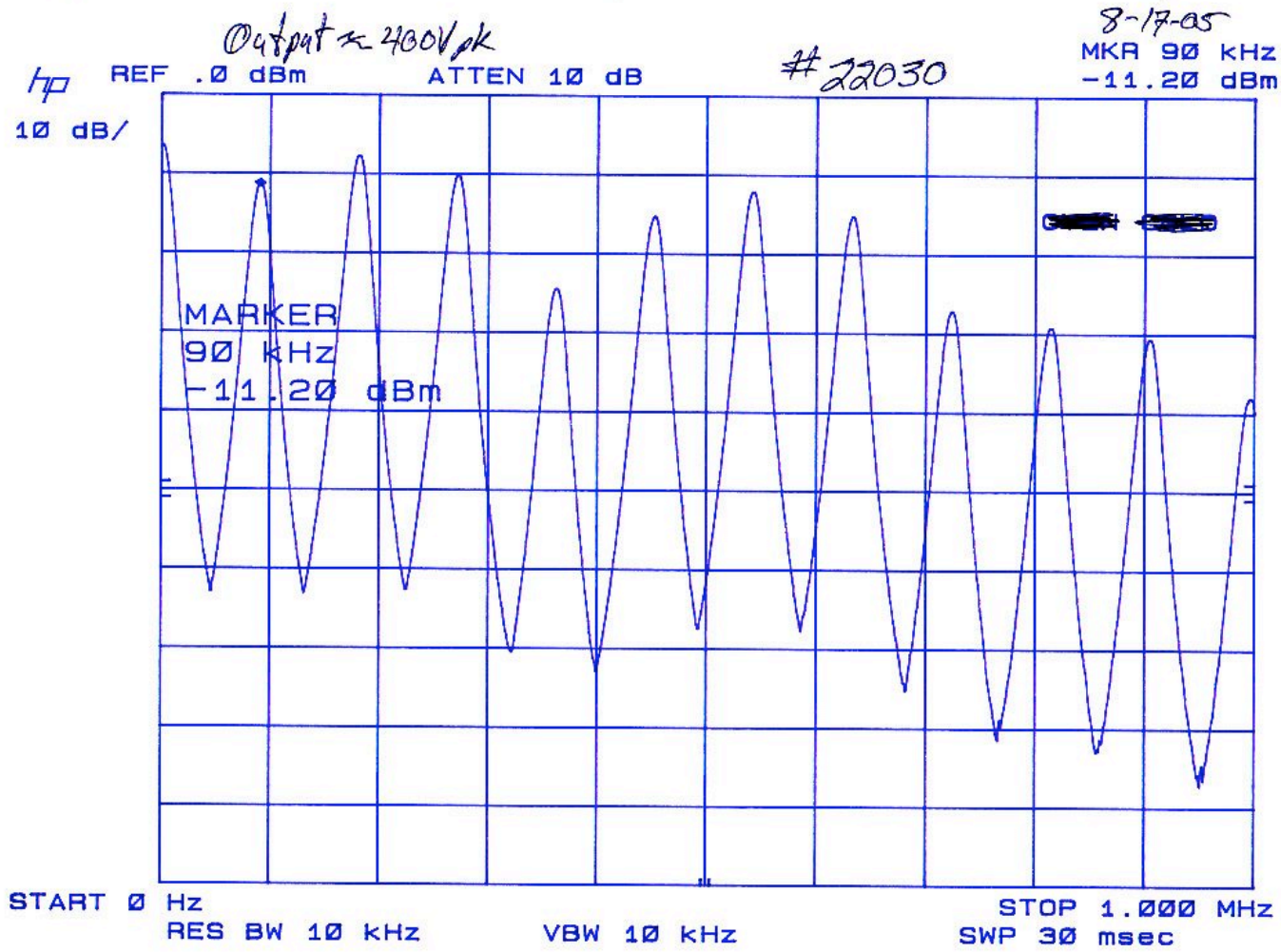
Output ≈ 400Vpk

#22030

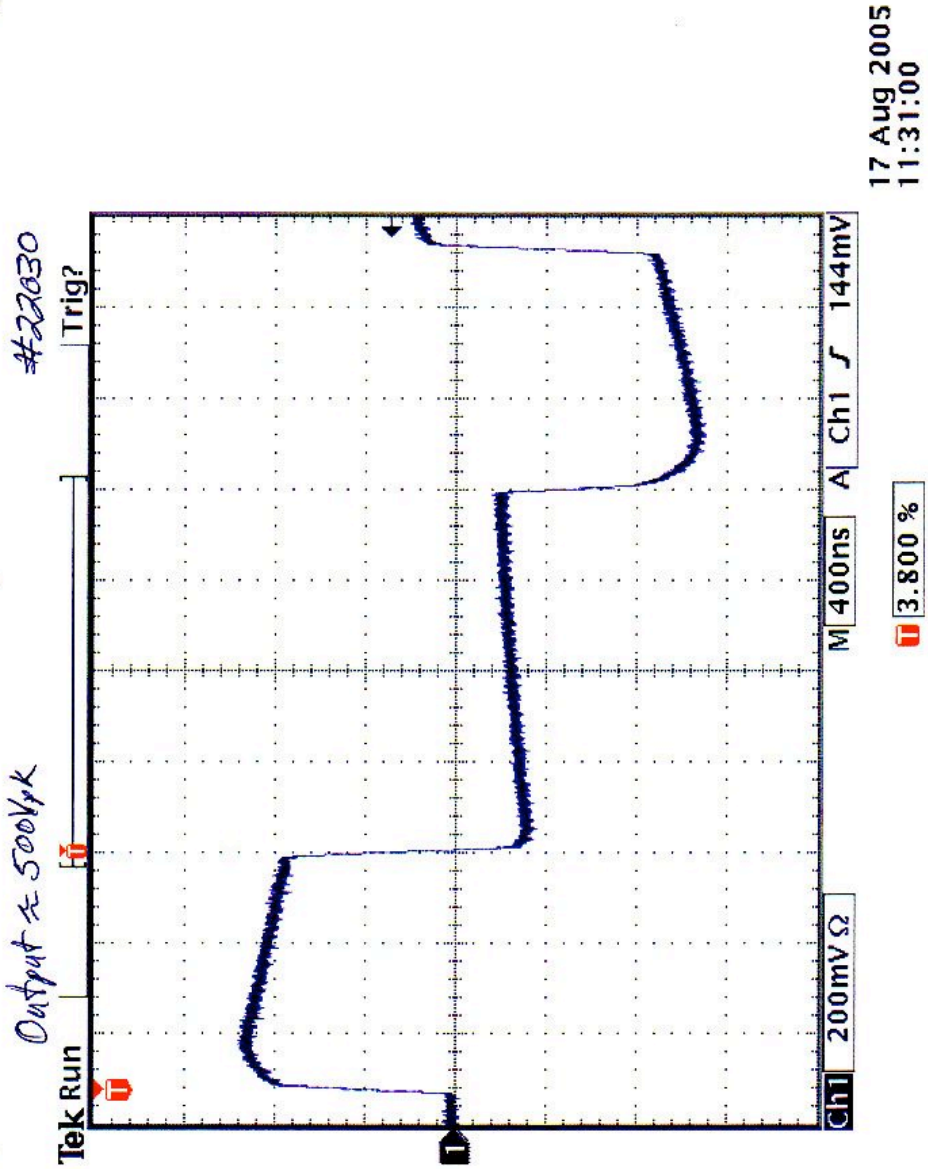


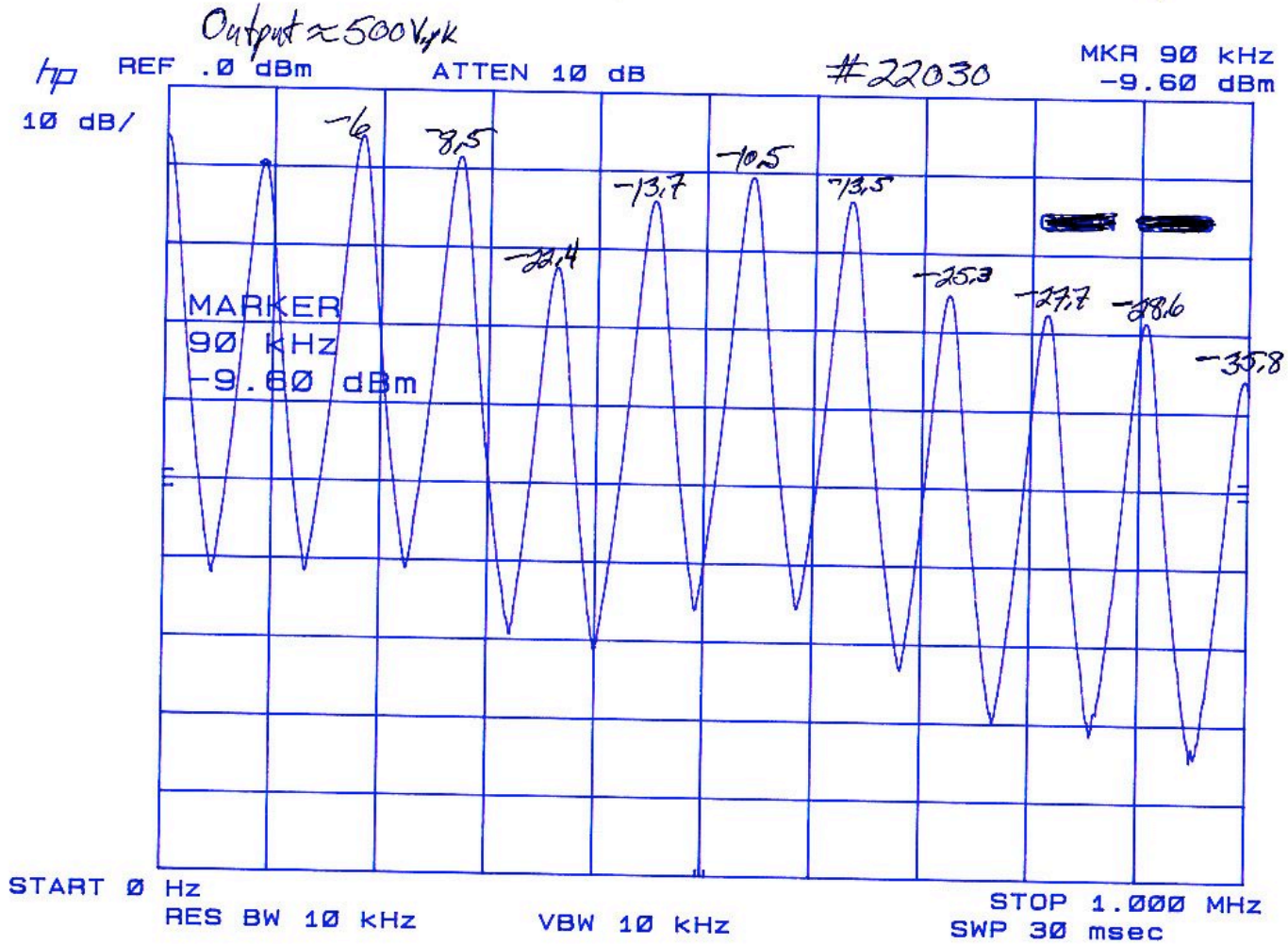
3.800 %

17 Aug 2005
11:23:43


Output ≈ 480V pk
#22030
8-17-05
hp
REF .0 dBm
ATTEN 10 dB
MKR 90 kHz
-11.20 dBm
10 dB/
MARKER
90 kHz
-11.20 dBm
START 0 Hz
RES BW 10 kHz
VBW 10 kHz
STOP 1.000 MHz
SWP 30 msec

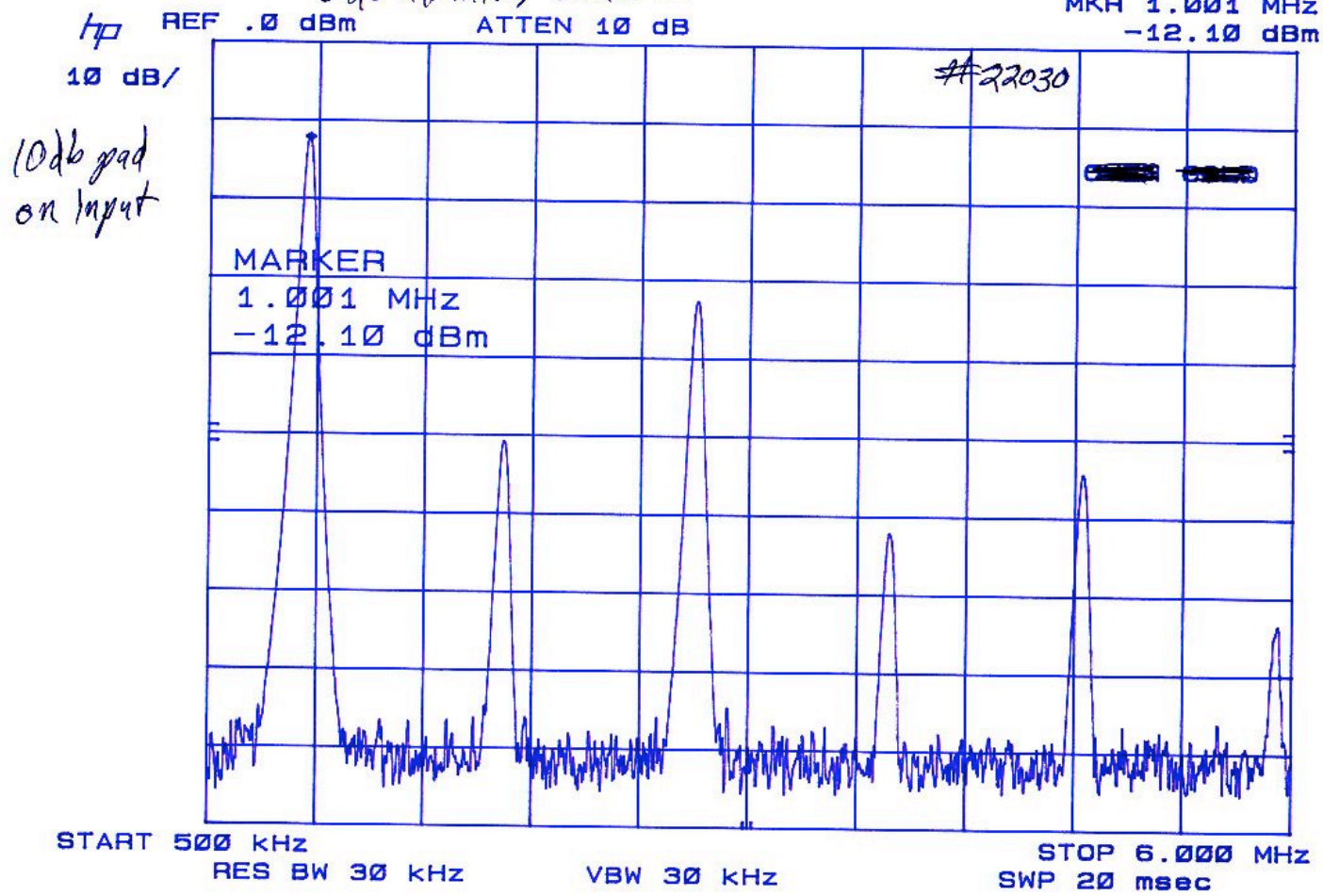
TDS 3034 17 Aug 2005 11:31:00




Output ≈ 500 V,pk
hp
REF .0 dBm
ATTEN 10 dB
#22030
MKR 90 kHz
-9.60 dBm
10 dB/
-6
-8,5
-10,5
-13,7
-13,5
-22,4
-25,3
-27,7
-28,6
-35,8
[redacted]
MARKER
90 kHz
-9.60 dBm
START 0 Hz
RES BW 10 kHz
VBW 10 kHz
STOP 1.000 MHz
SWP 30 msec

0db attenuator, 3060w.

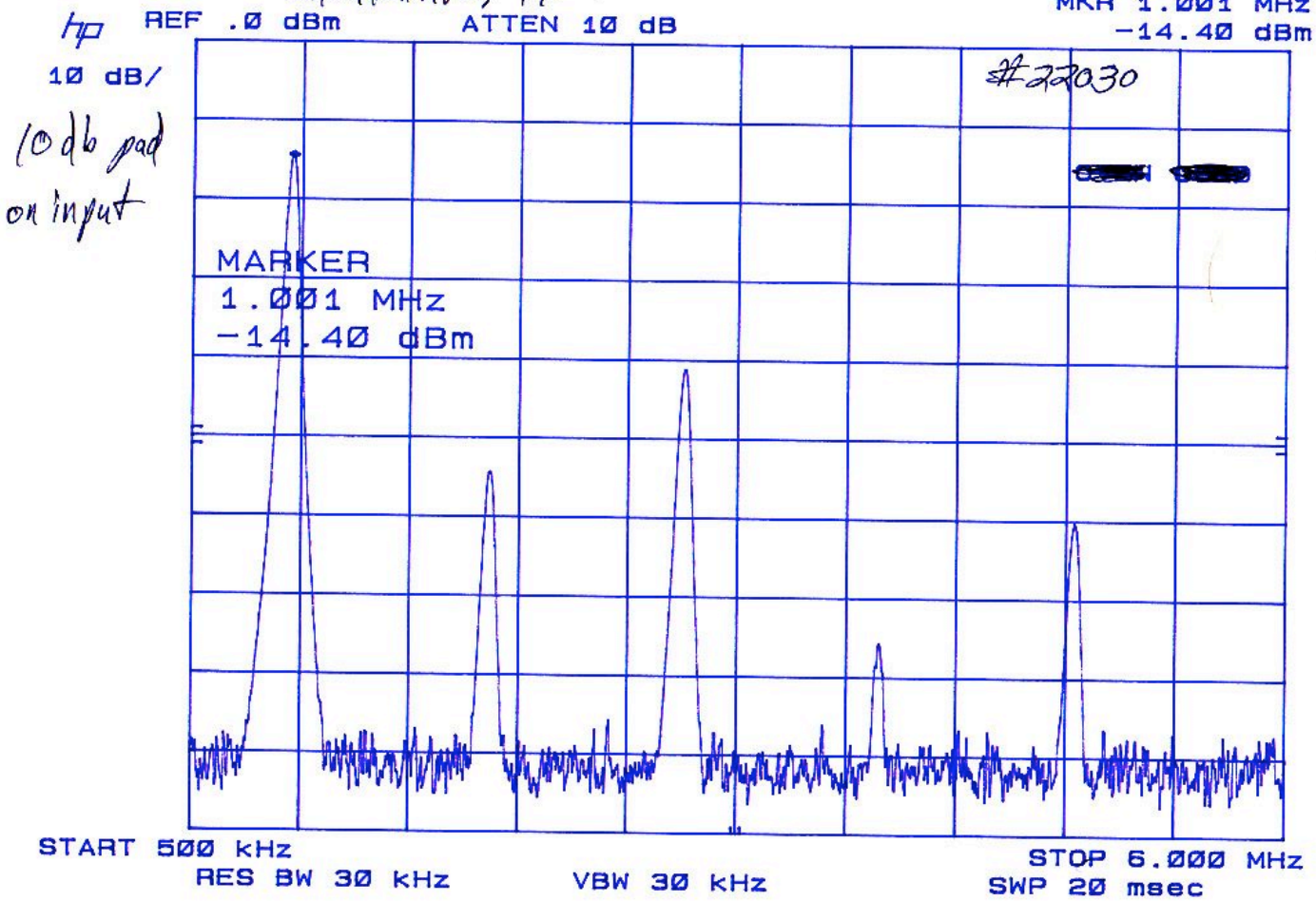
8-16-05



10db pad on Input

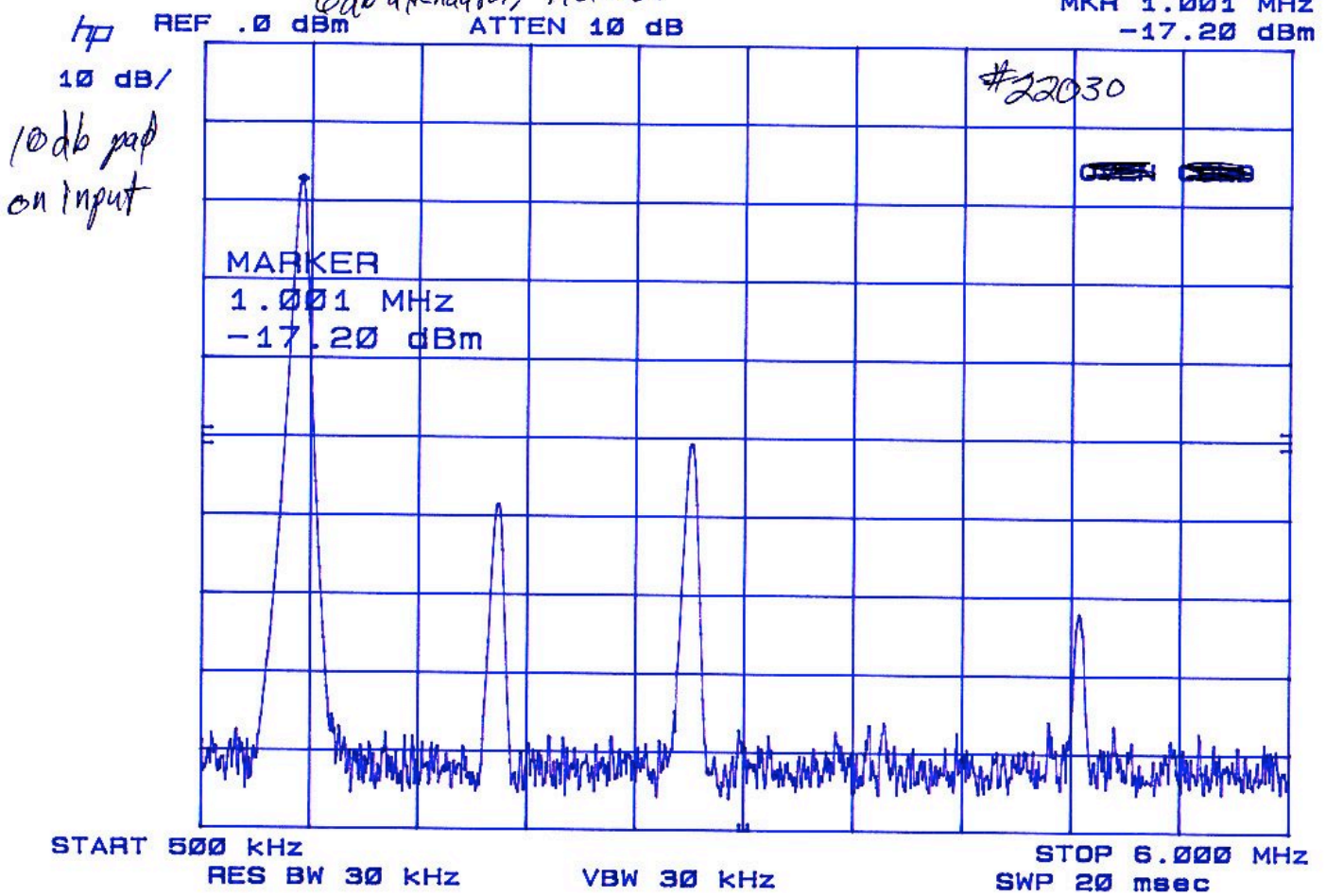
3db attenuator, 1900W

8-16-05



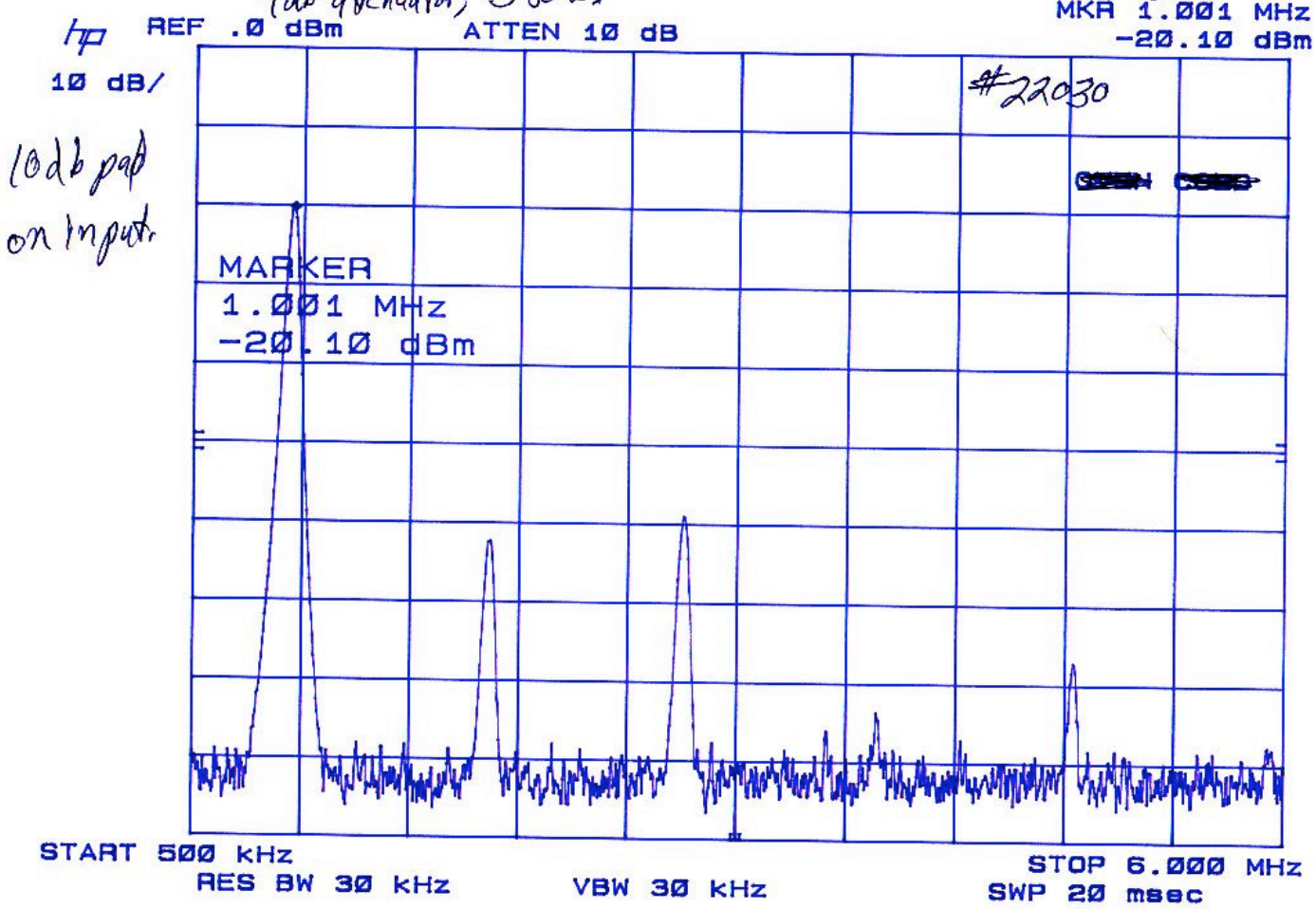
6db attenuator, 1120w.

8-16-05



9db attenuator, 580w.

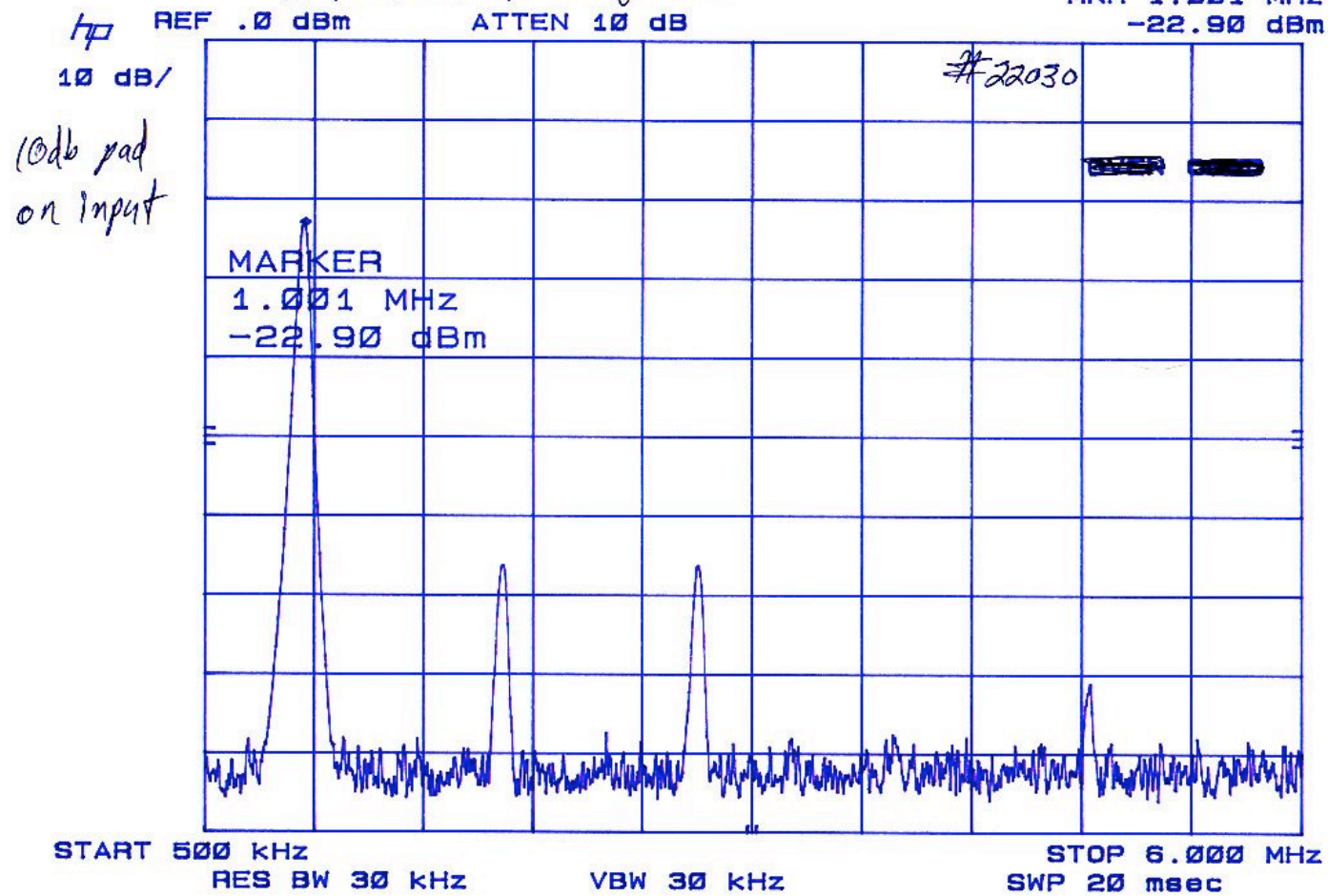
8-16-05



10db pad on input.

12db attenuator, reading 280w

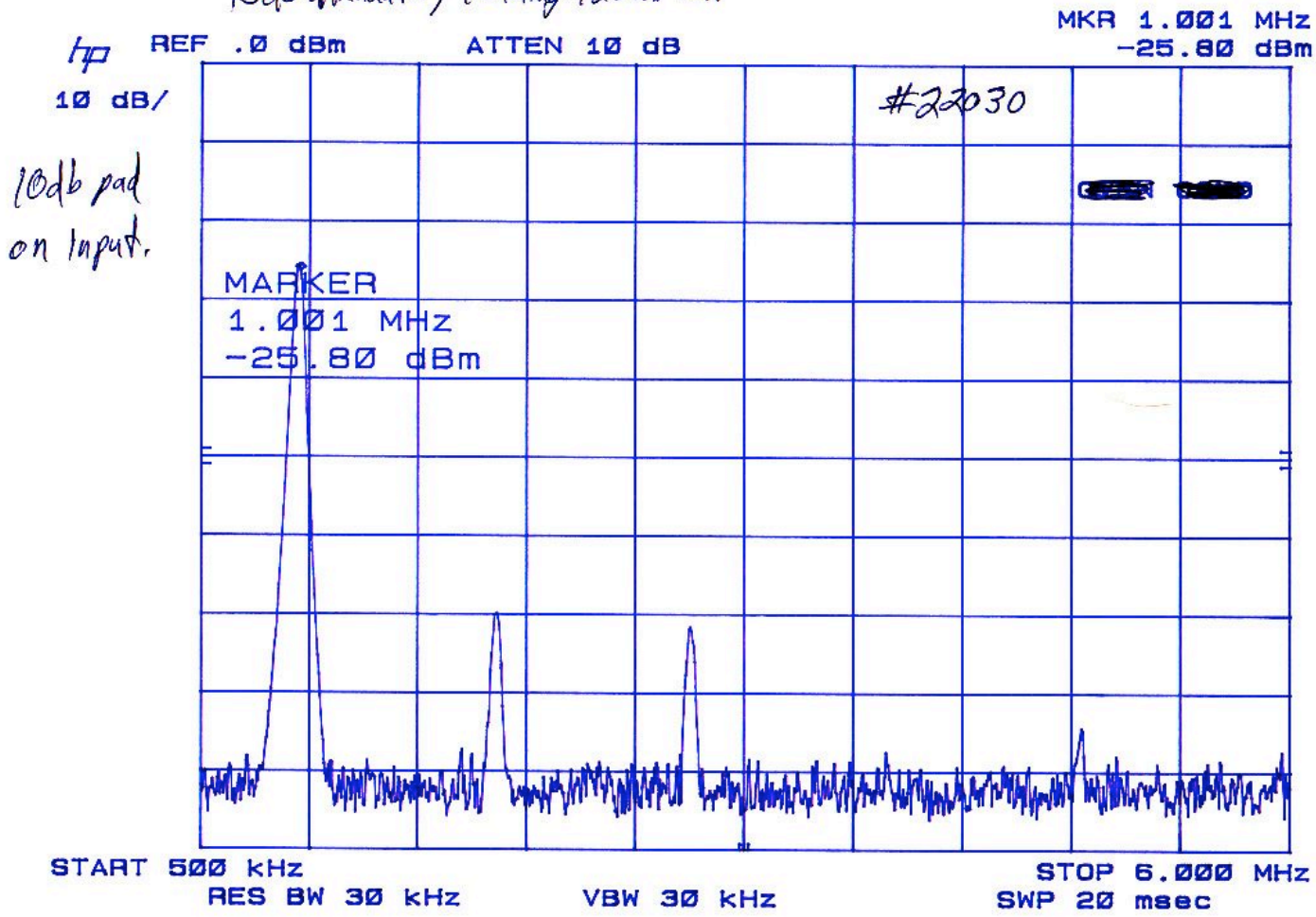
8-16-05



10db pad on input

Input
15db attenuator, reading 120w. out

8-16-05



10db pad
on Input.