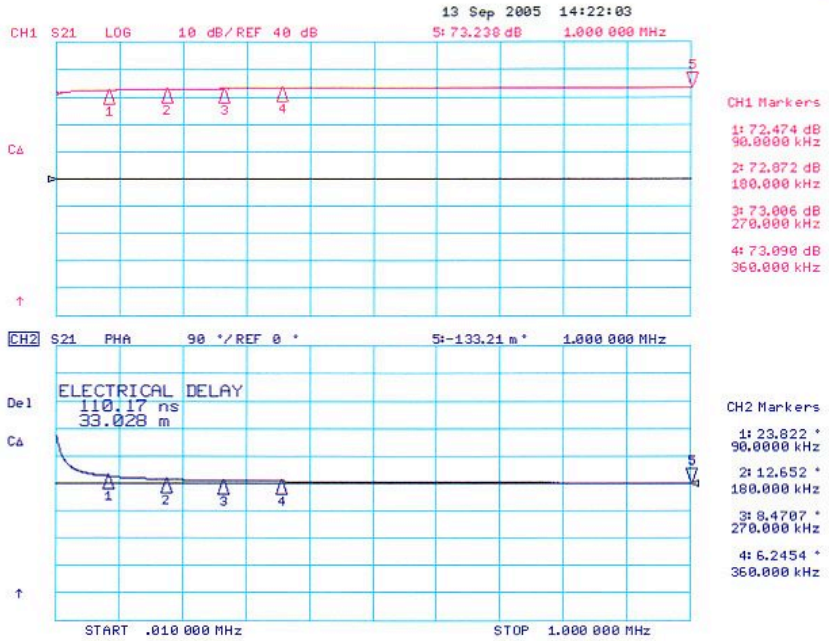
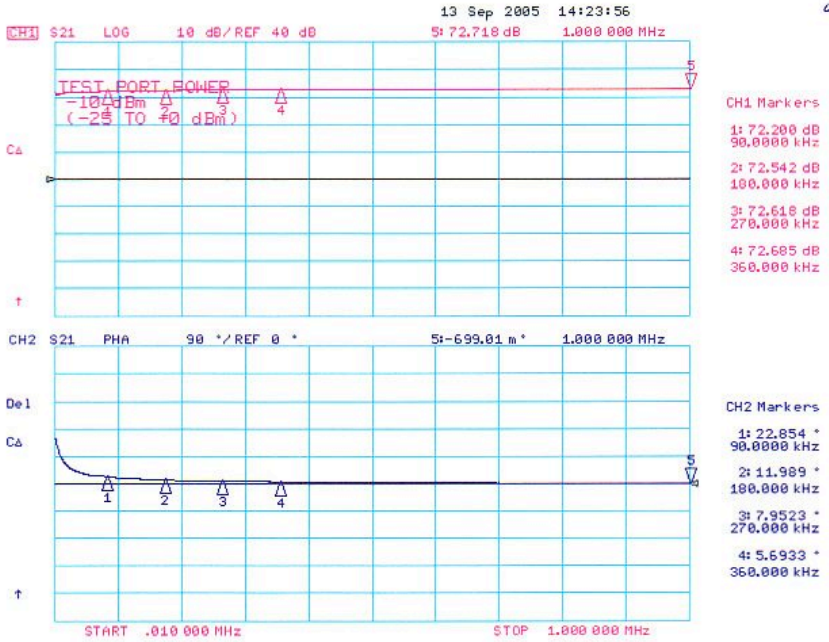
3500A100 #22027 208V -20dbm

-20 dbm

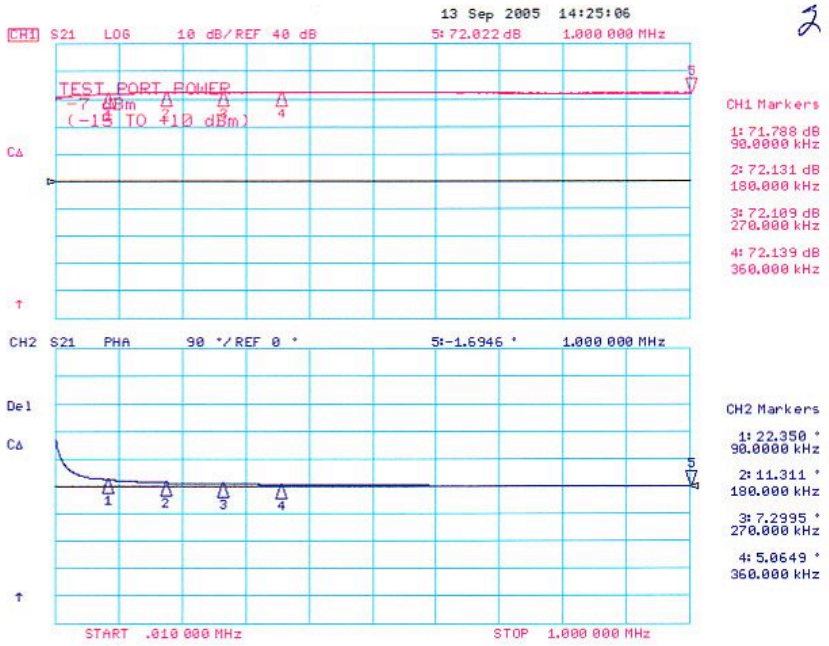


#22027 -10dbm 208V



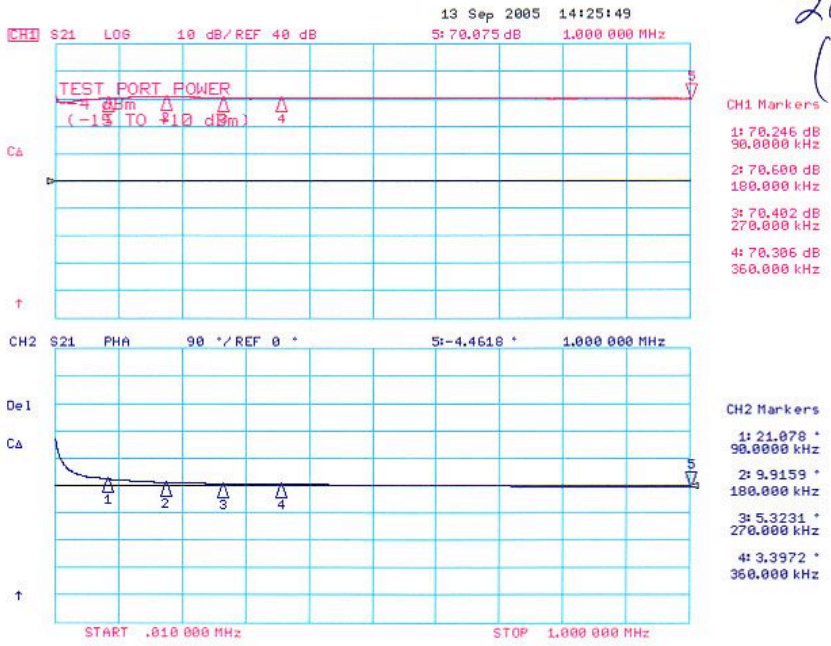
#22027

−7dbm
208V

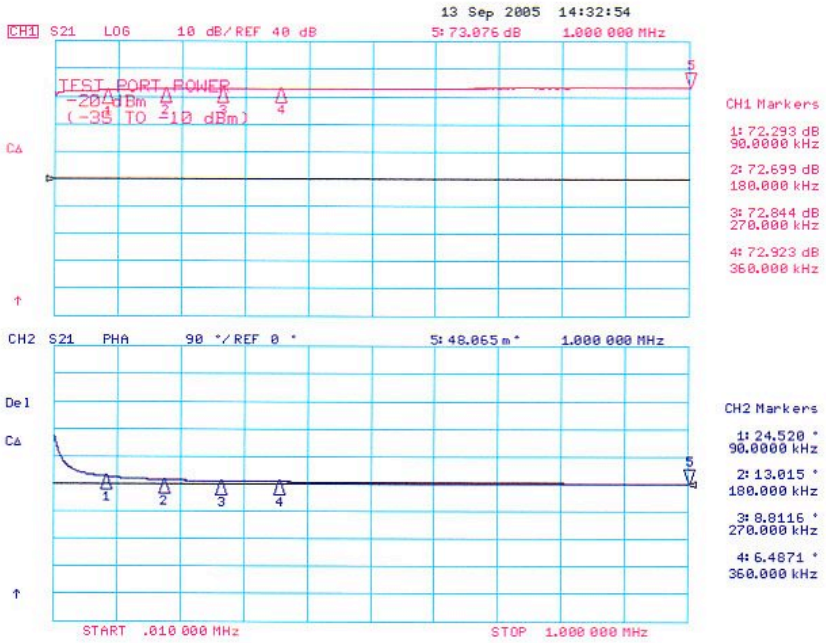


#22027

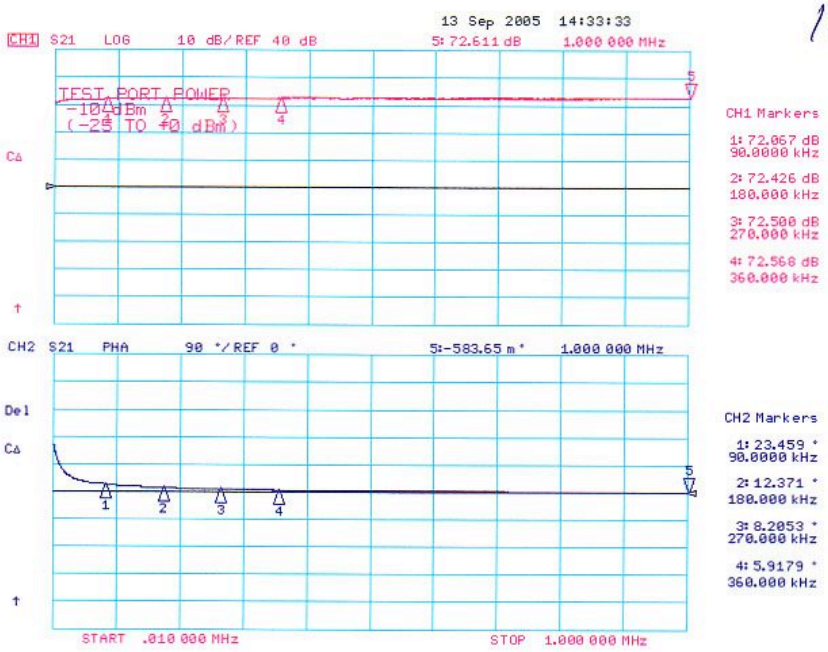
−4dbm
208V
(4200W)



#22027 -20dBm 188V

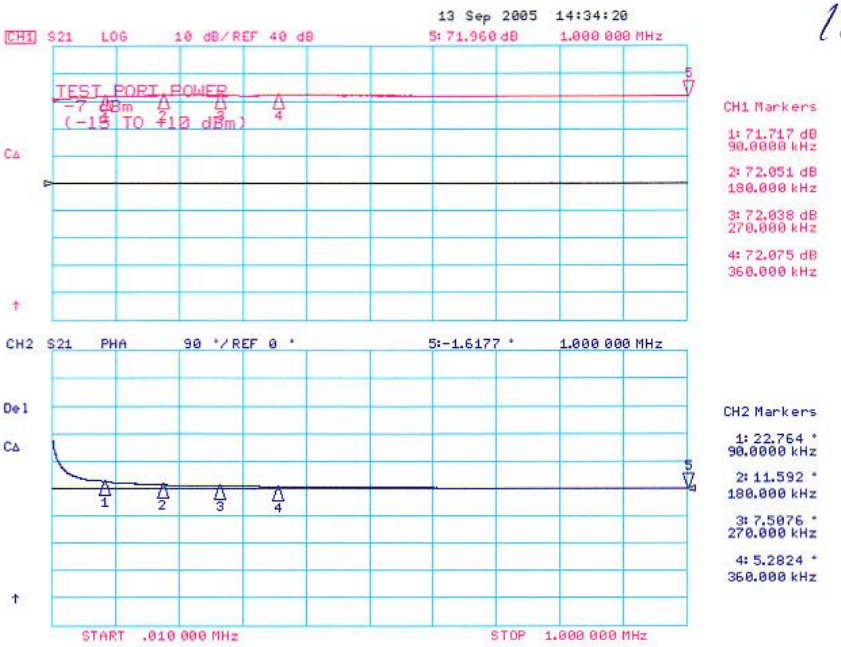


#22027 -10dBm 188V



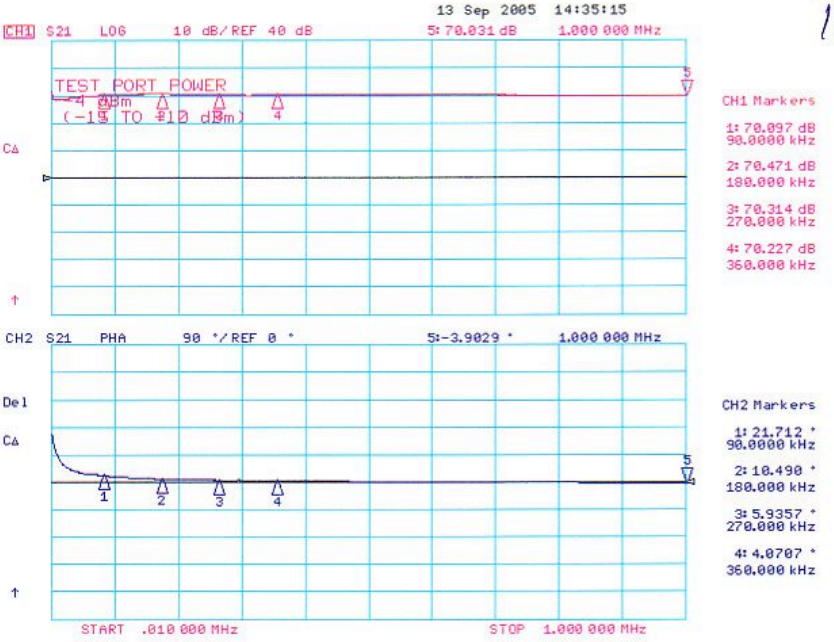
#22027

-7dbm
188V



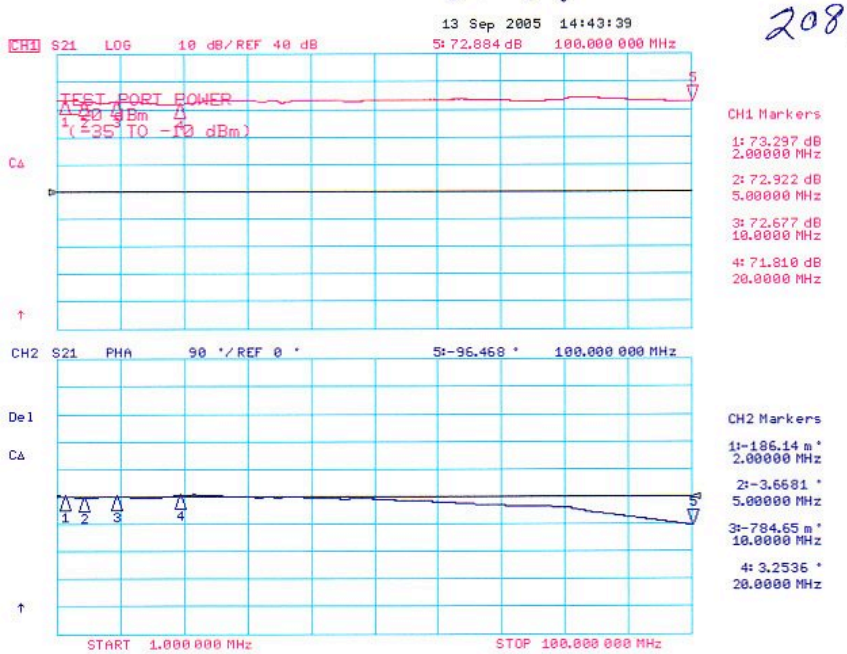
#22027

-4dbm
188V



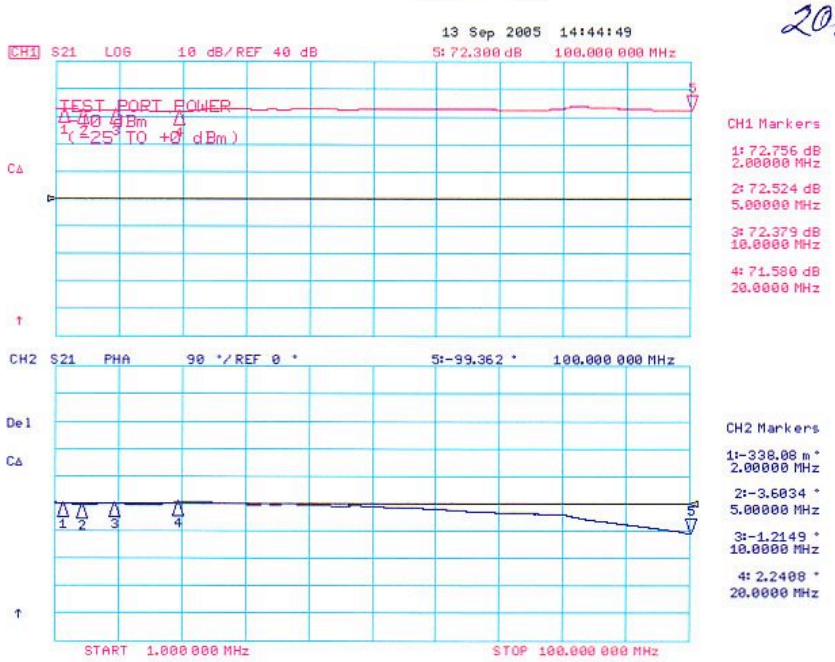
#22027

-20dbm
208V



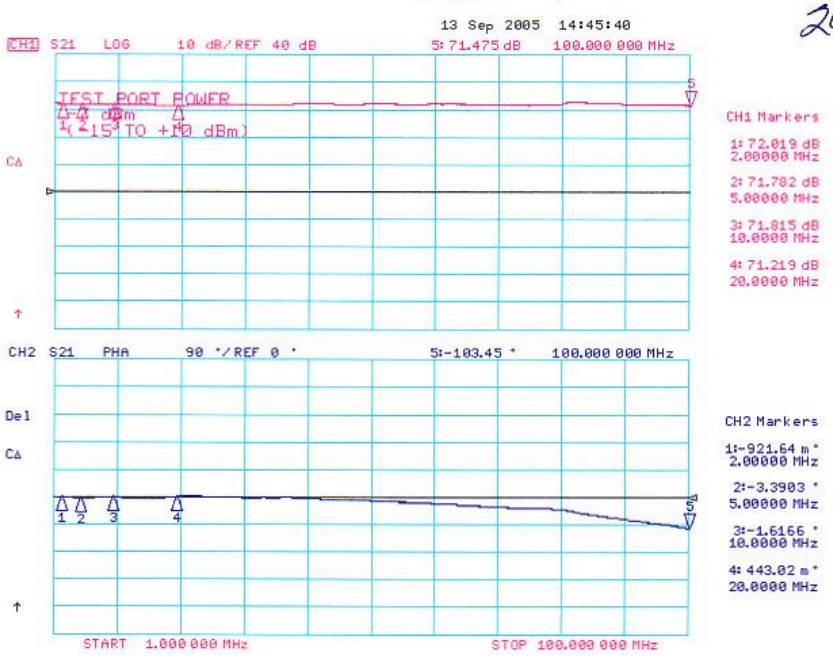
#22027

-10dbm
208V



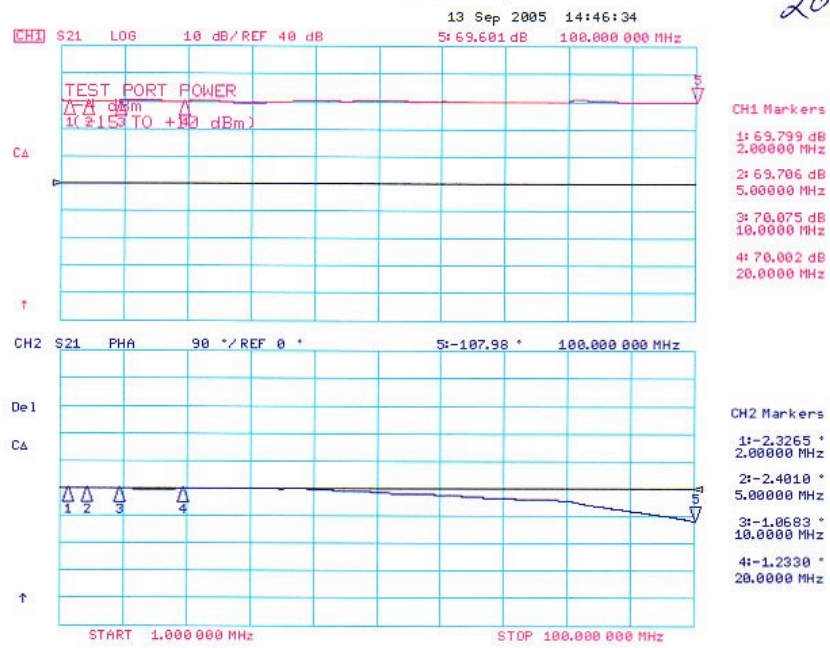
#22027

-7dbm
208V



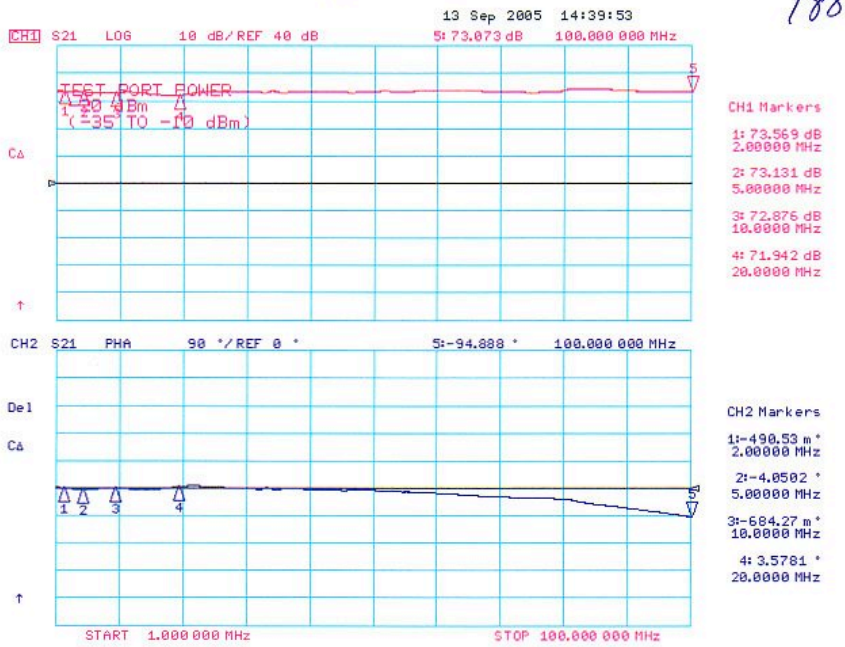
#22027

-4dbm
208V



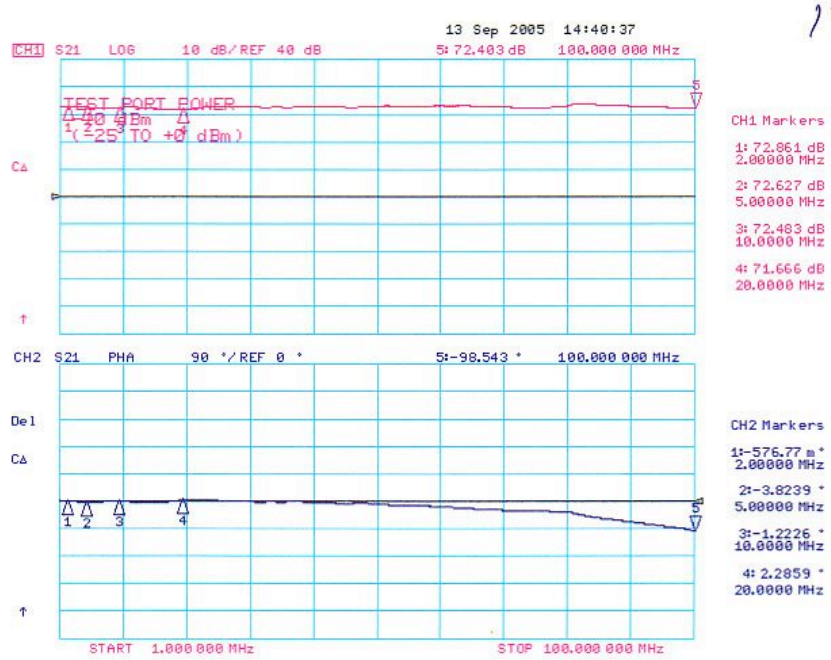
#22027

-20dbm
188V



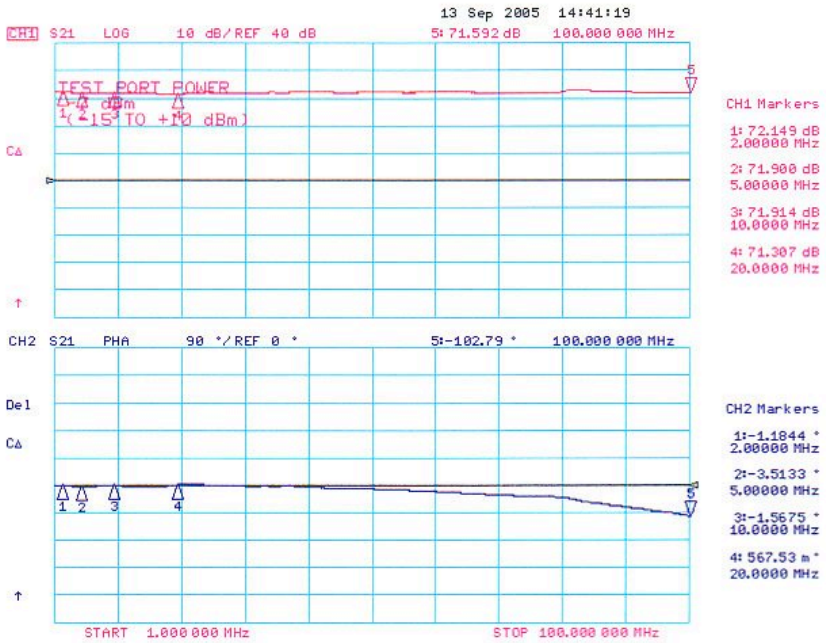
#22027

-10dbm
188V



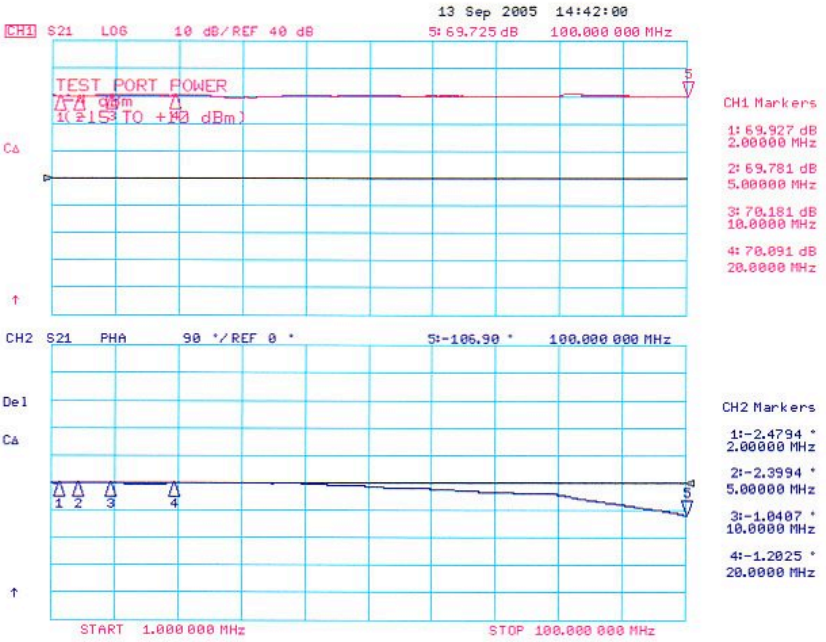
#22027

-7dbm
188V



#22027

-4dbm
188V



FERMILAB
ENGINEERING NOTE

SECTION	PROJECT	SERIAL-CATEGORY	PAGE
	Recycler	22027	

SUBJECT: 3500A100 Gain variation with time/temp.

NAME: MCA

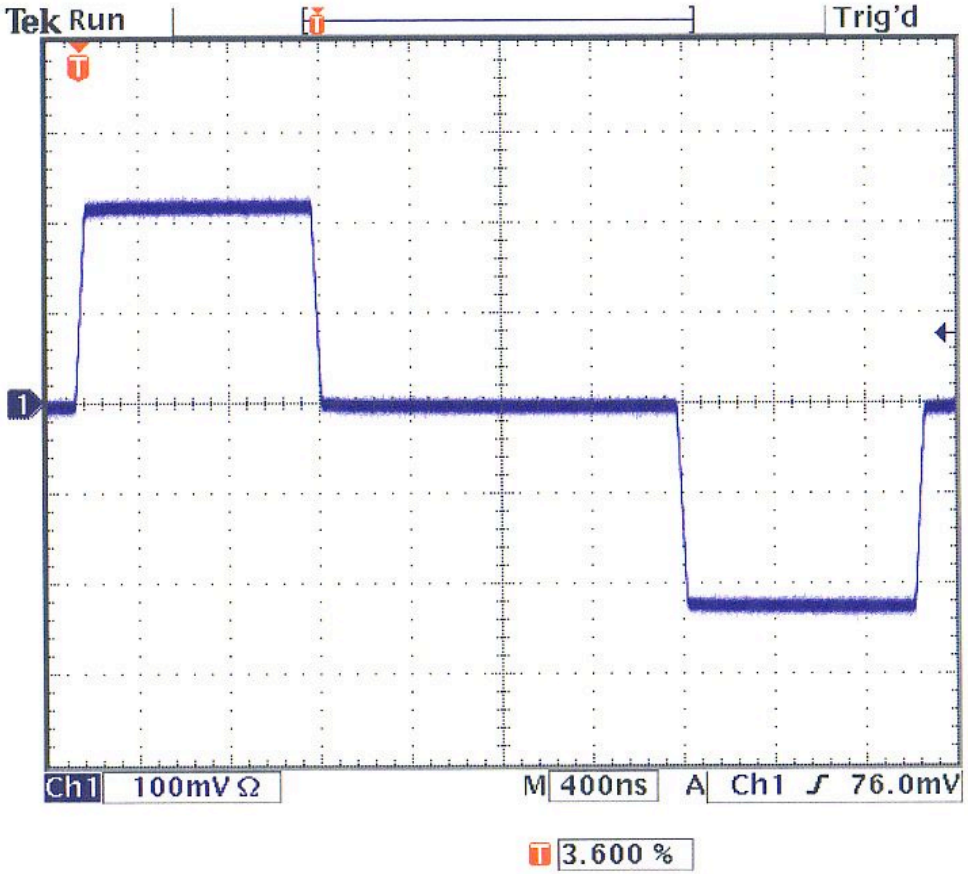
DATE: 9-14-05

REVISION DATE:

Cold Start	Vector Voltmeter	Panel
10:00	-.8 dbm	≈ 880 Watts
10:01	-1.1 dbm	830 w.
10:02	-1.26	805 w.
10:03	-1.41	775 w.
10:04	-1.55	753 w.
10:05	-1.66	735 w.
10:10	-2.07 dbm	670 w.
10:15	-2.32 dbm	634 w.
10:20	-2.45 dbm	613 w.
10:25	-2.55 dbm	601 w.
10:30	-2.61 dbm	593 w.
10:35	-2.67 dbm	587 w.

Arb. generator 13db pad ahead of scope

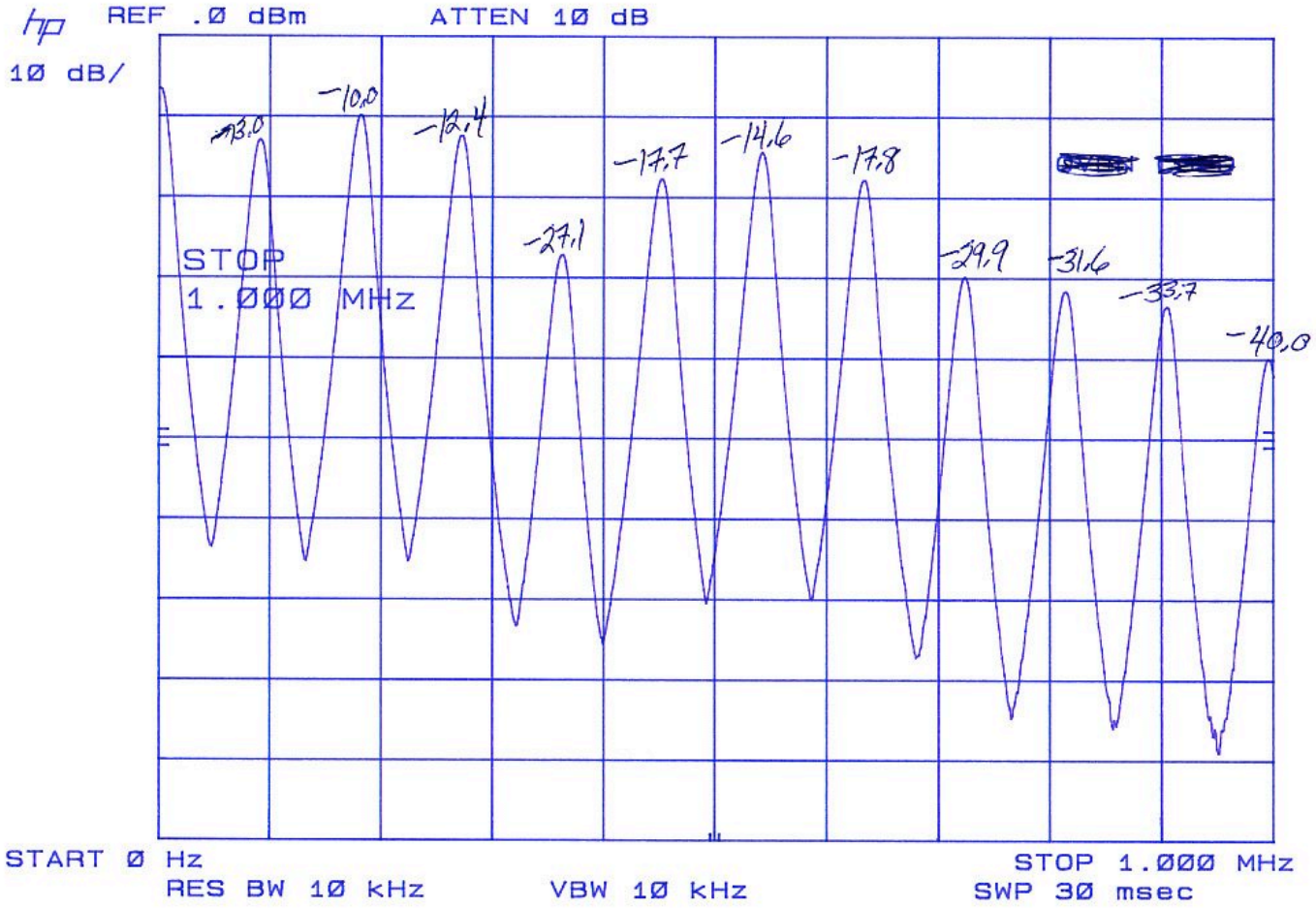
Rep. rate = 89.8.9KHz
#22027



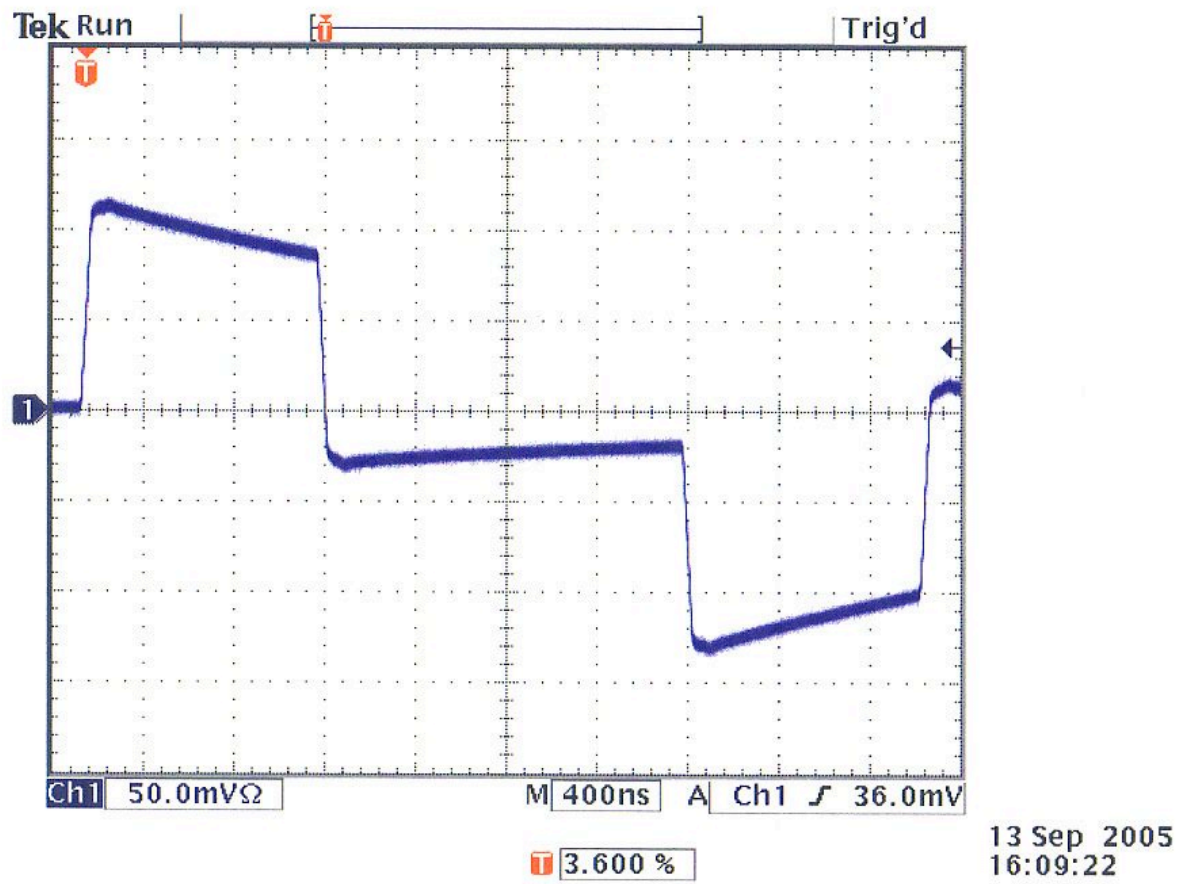
13 Sep 2005
15:49:37

Arb. generator 10db pad infront of S.A.

9-13-05
#22027



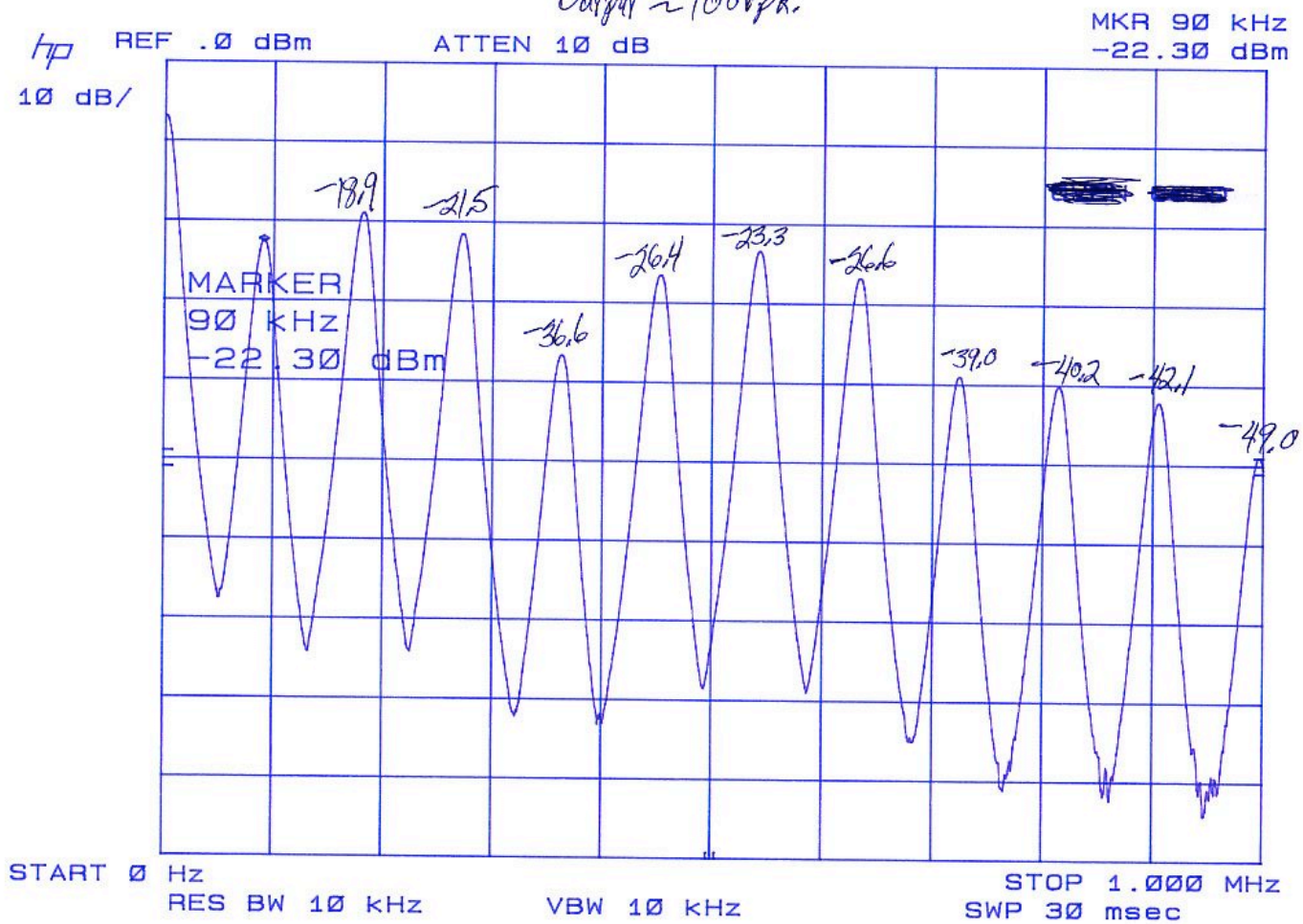
Output ≈ 10 ↓ Peak #22027



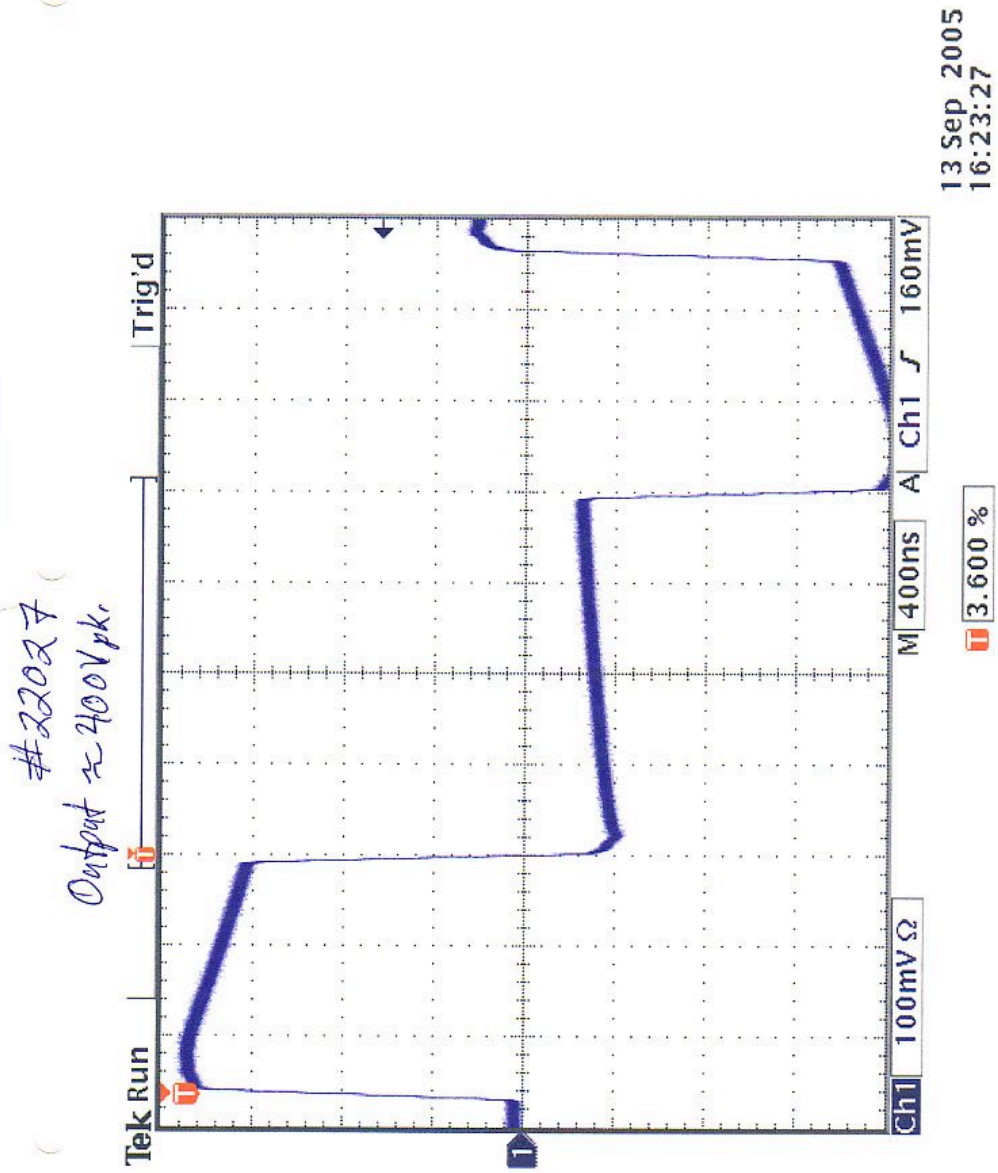
#22127

9-13-05

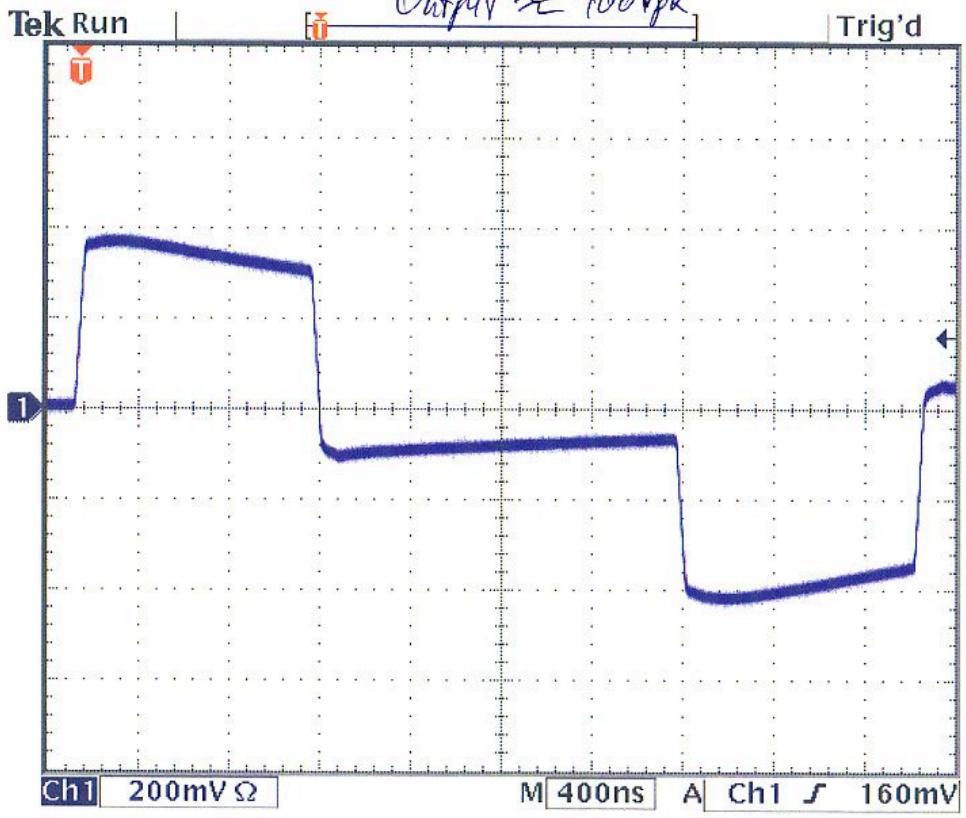
Output ≈ 100Vpk.



TDS 3034 13 Sep 2005 16:23:28



#22027
Output ≈ 400Vpk

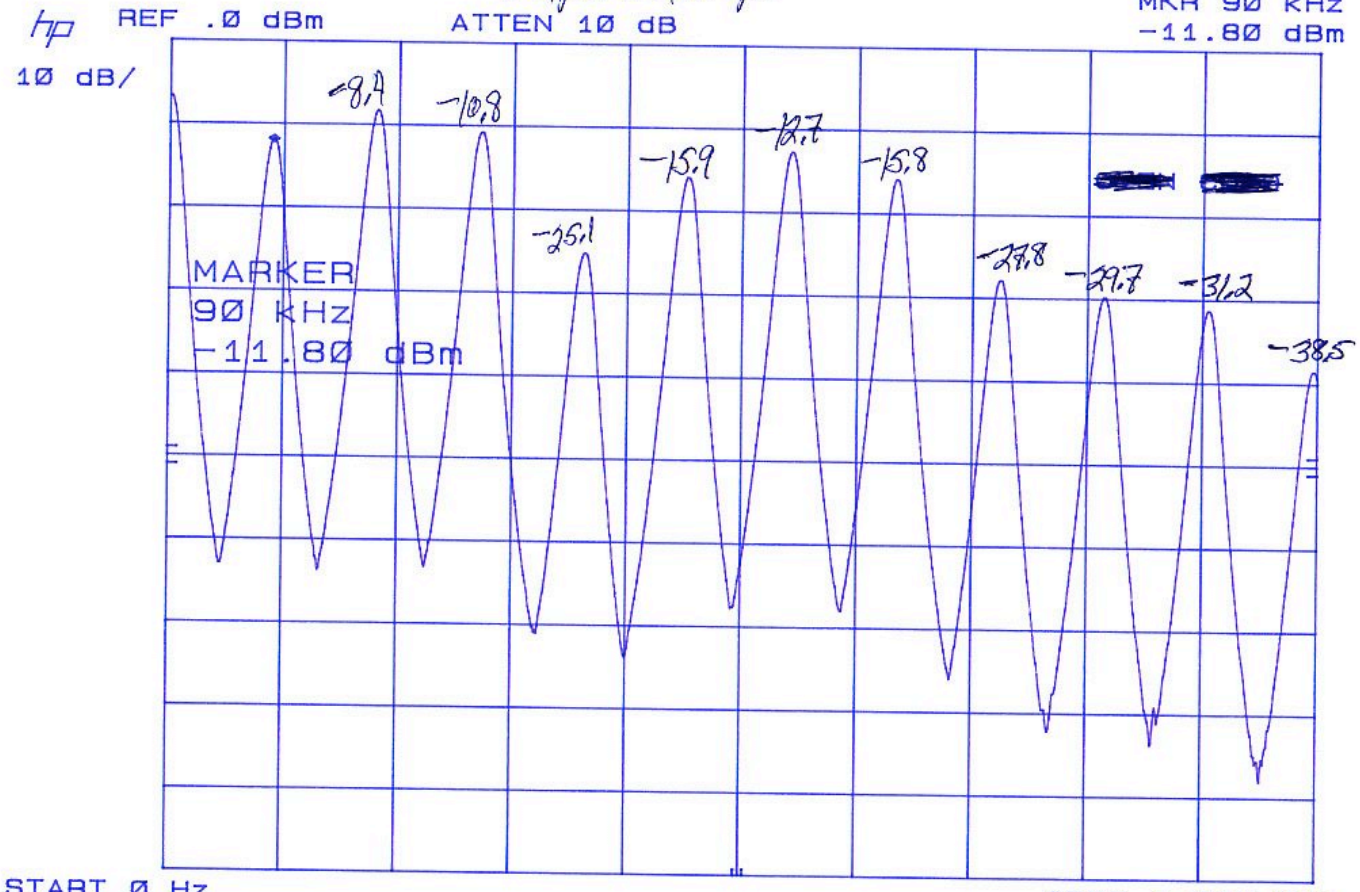


3.600 %

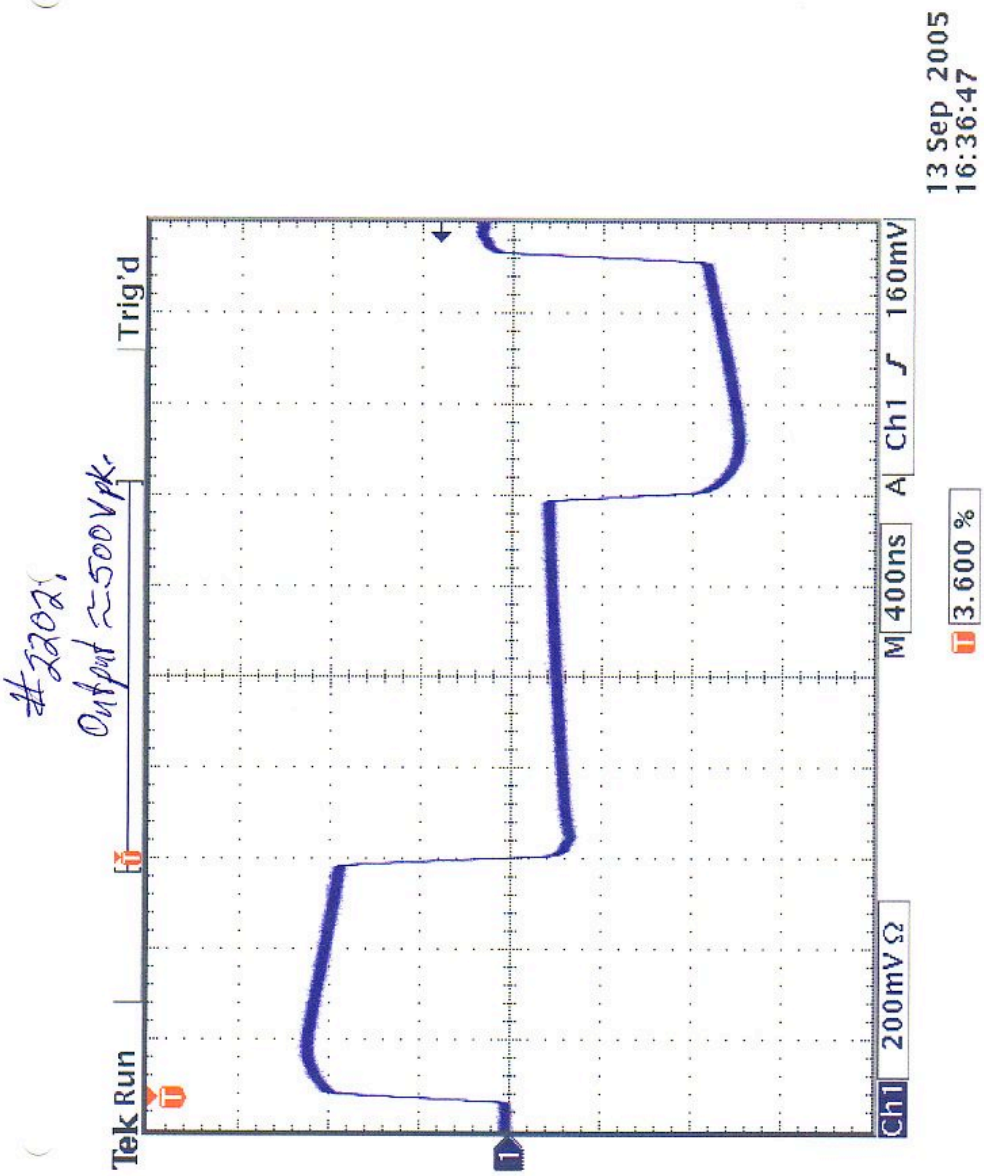
13 Sep 2005
16:24:45

#22027
Output ≈ 400Vpk

9-13-05

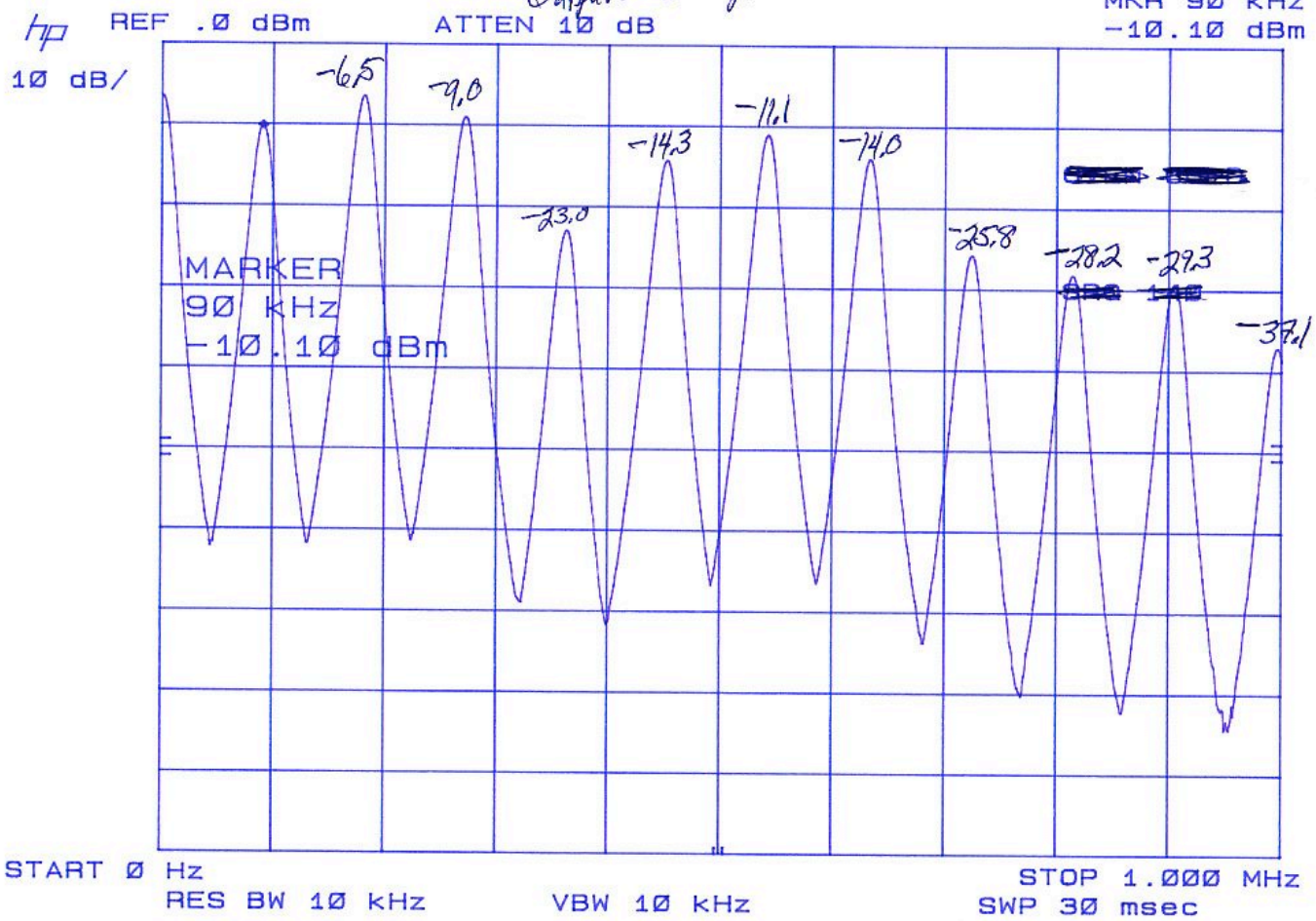


TDS 3034 13 Sep 2005 16:36:47



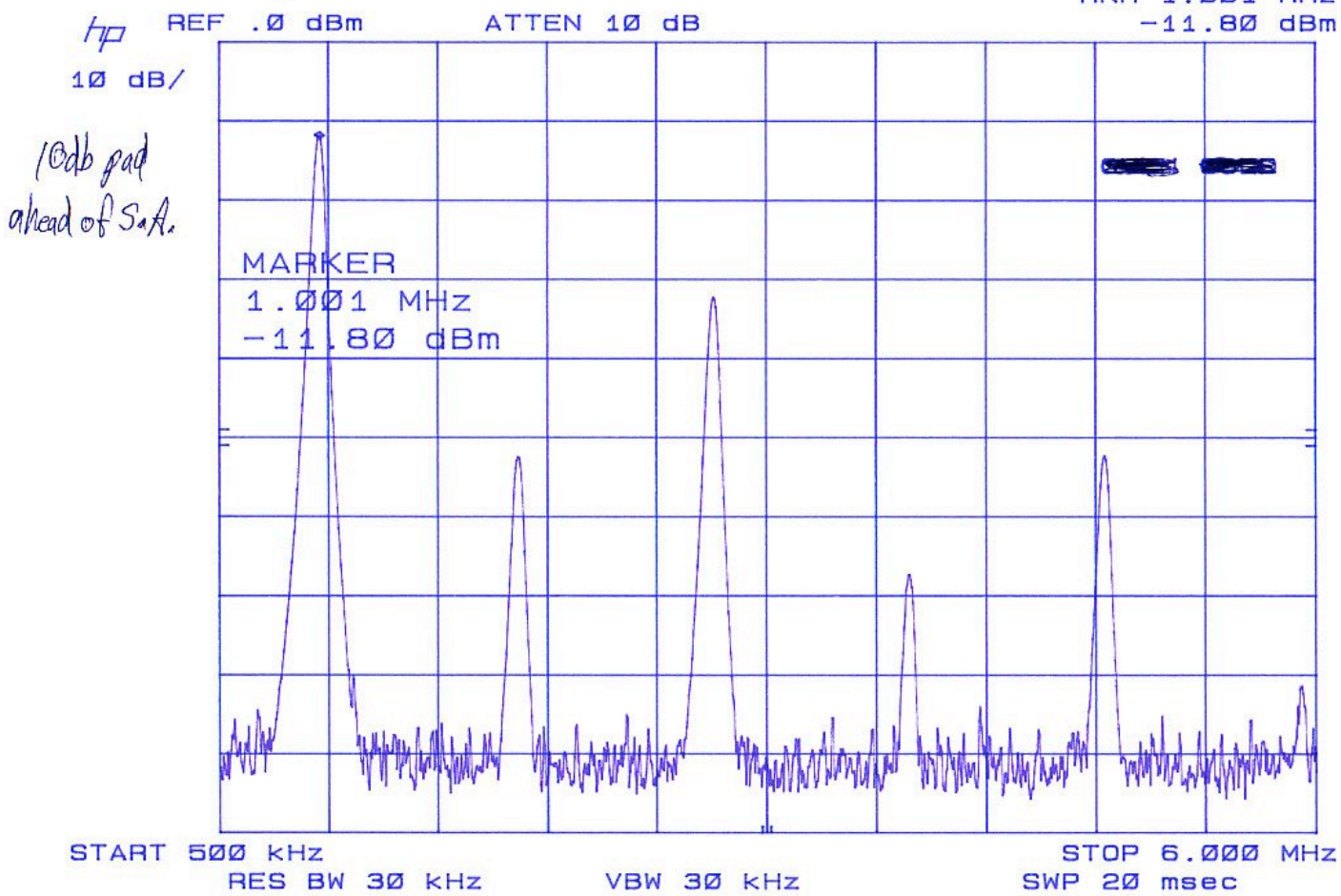
#2202+
Output ≈ 500 Vpk.

9-13-05

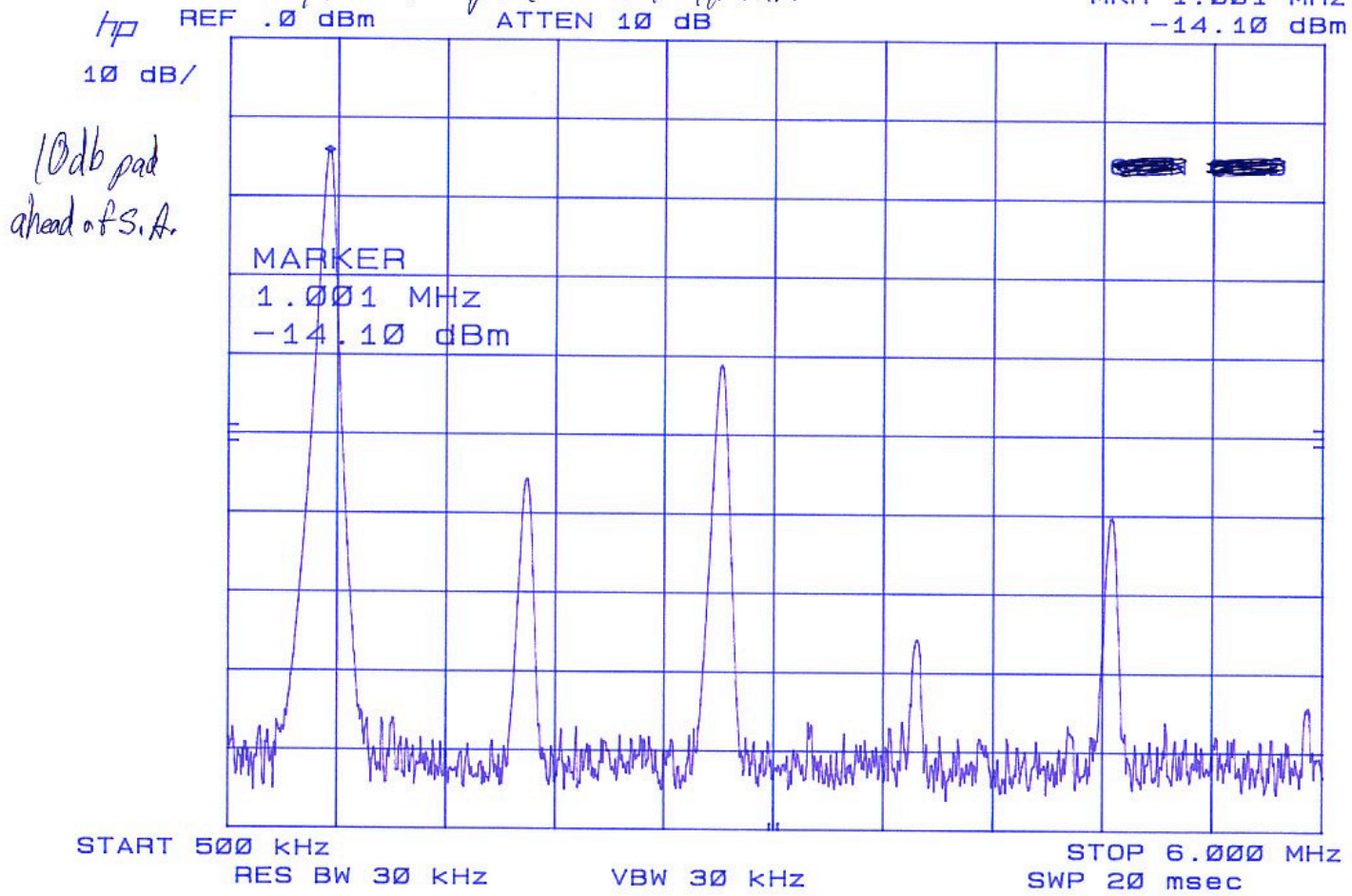


Reading 3200watts on panel. 0db attenuator

#22027 9-13-05

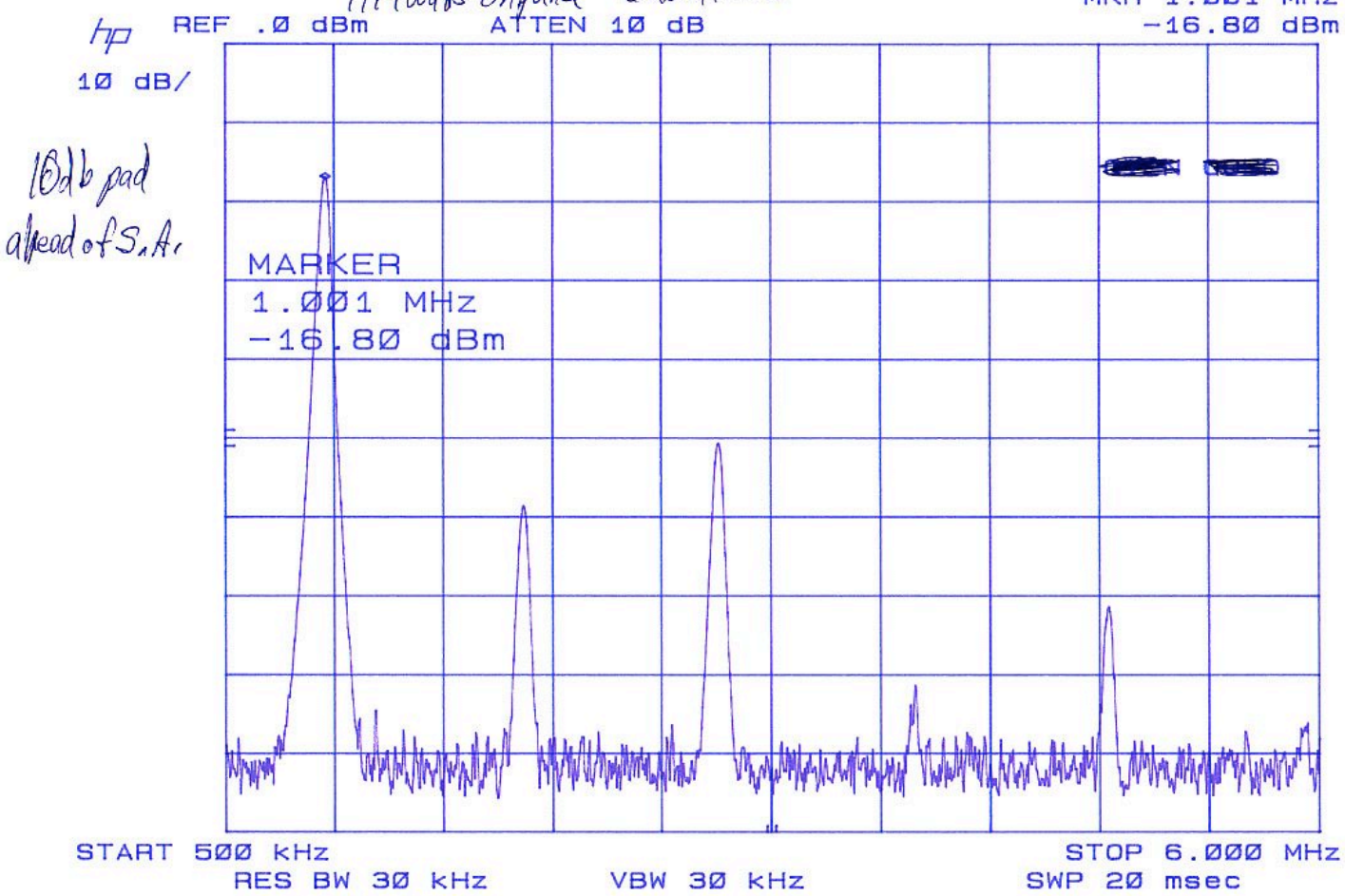


1950 Watts on panel 3db attenuator #22027 9-13-05



1114 watts on band 6db attenuator

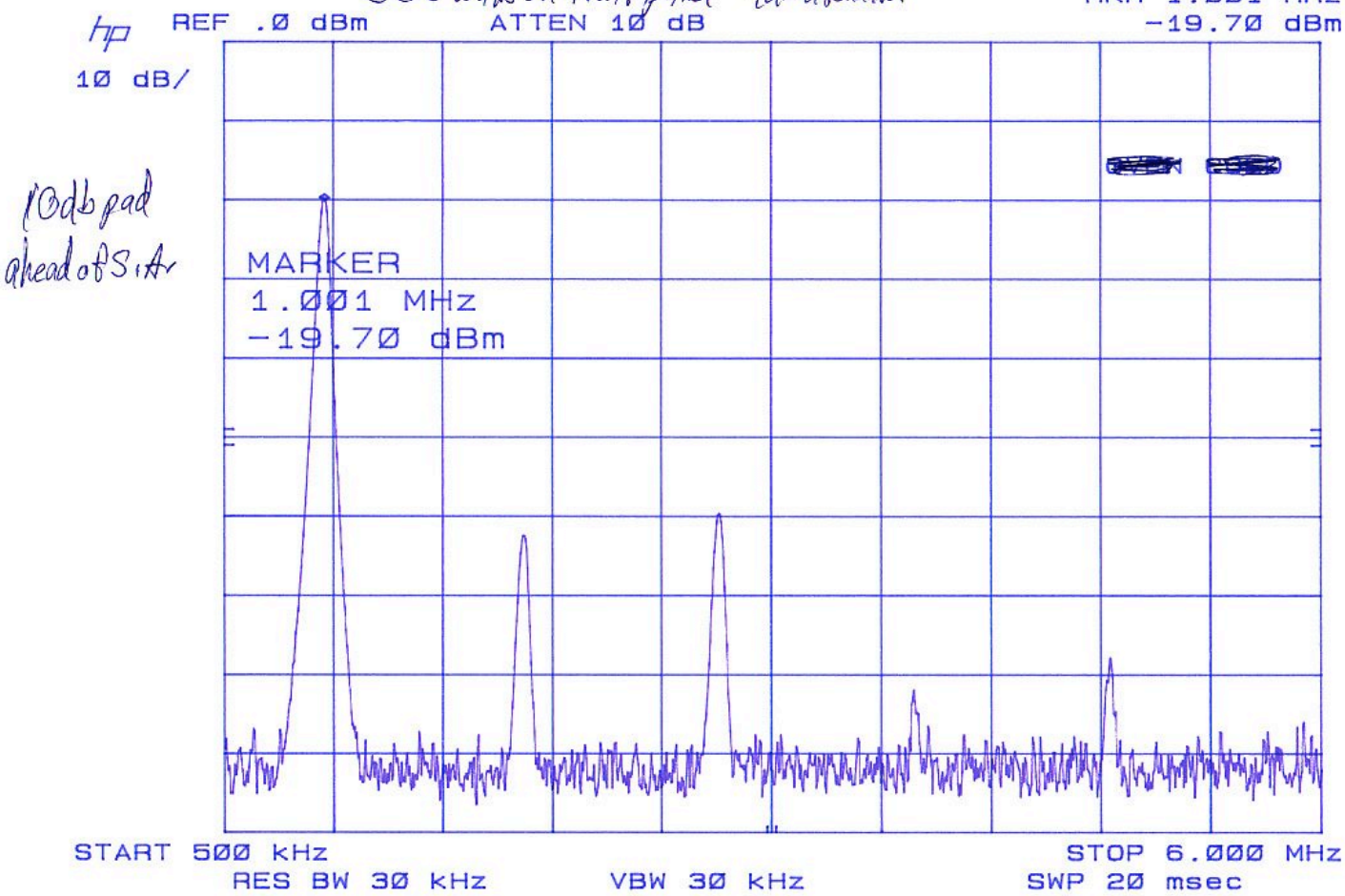
#22027 4-13-05



10db pad ahead of S.A.

558 watts on front panel 9db attenuator

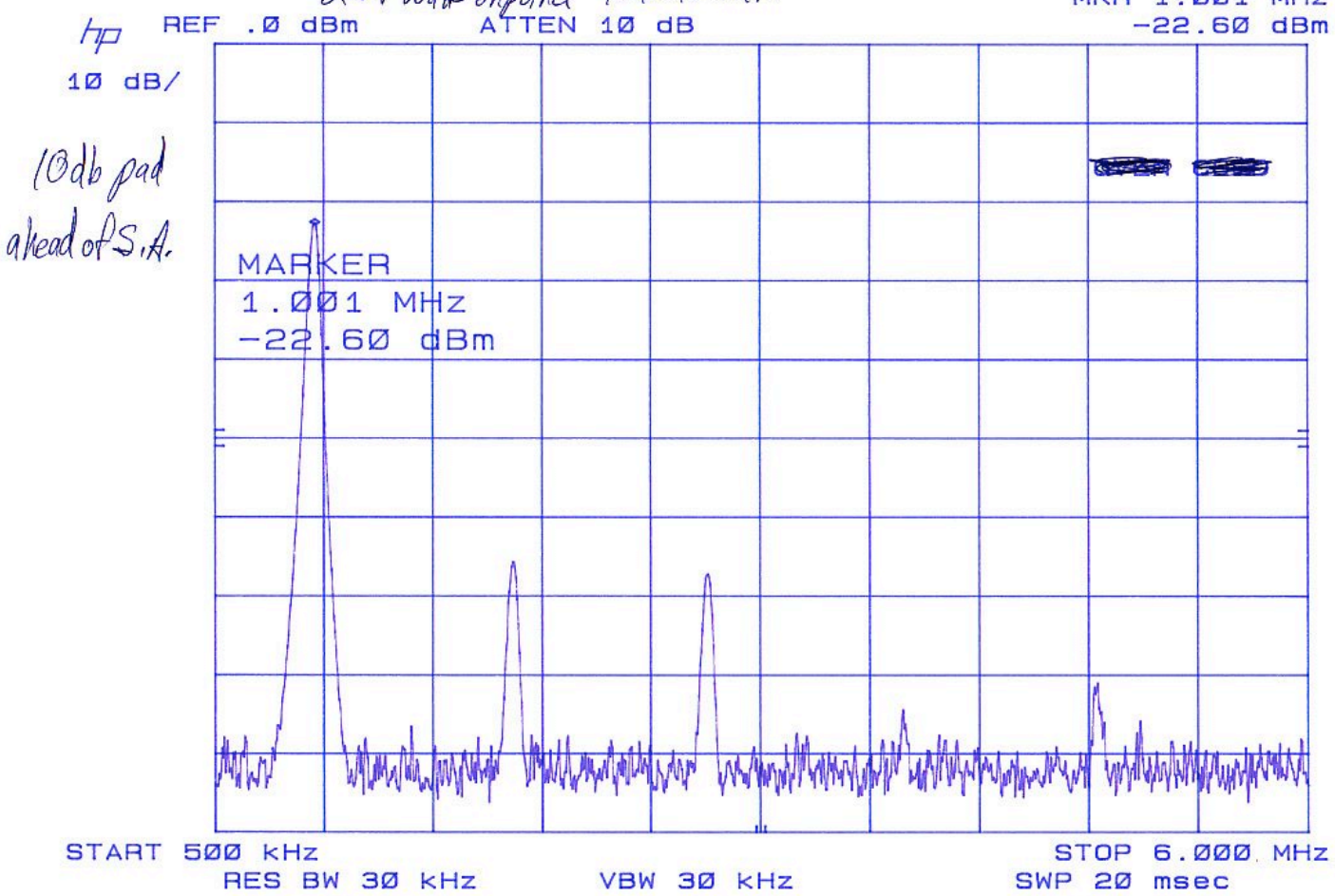
#22027 9-13-05



10db pad ahead of S.A.

237 Watts on panel 12db attenuator

#22027 9-13-05



10db pad ahead of S.A.

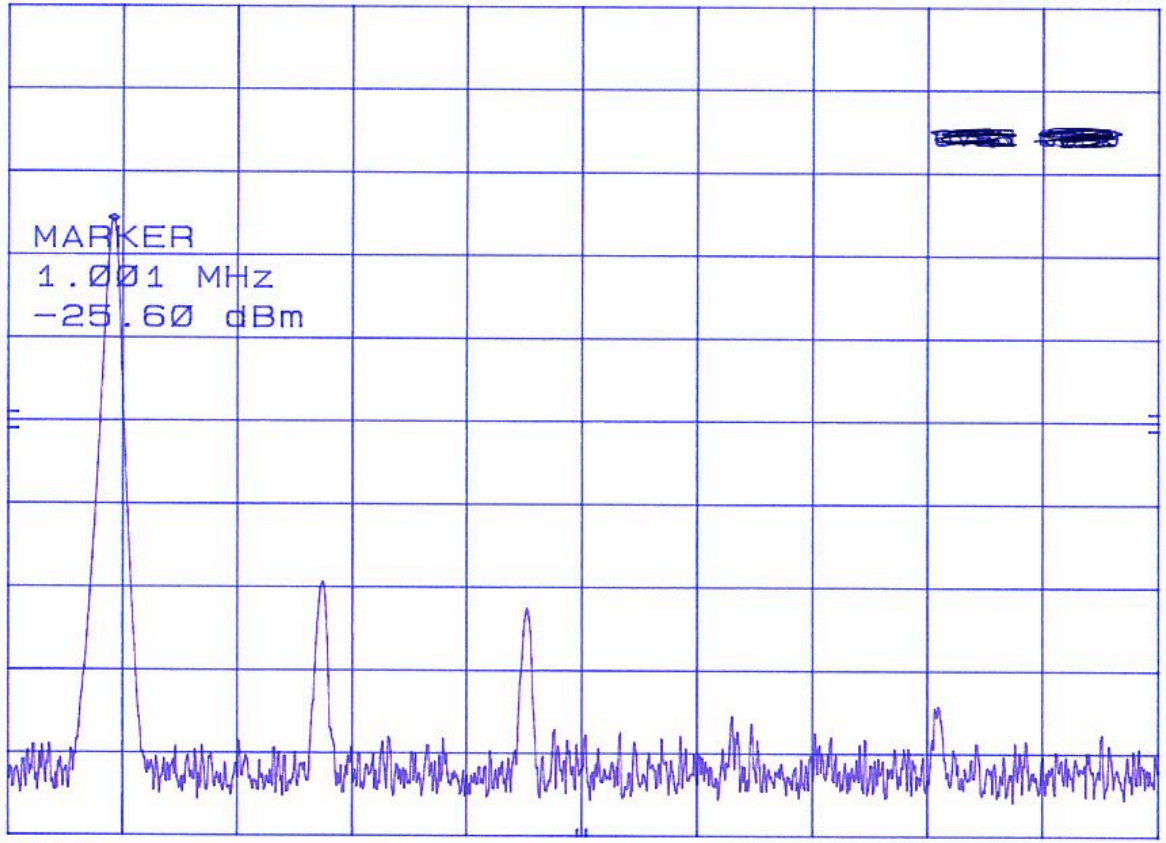
79 Watts on panel 15db attenuator

#22027 9-13-05

hp REF .0 dBm ATTEN 10 dB MKR 1.001 MHz

10 dB/ -25.60 dBm

10db pad ahead of SA



START 500 kHz STOP 6.000 MHz

RES BW 30 kHz VBW 30 kHz SWP 20 msec