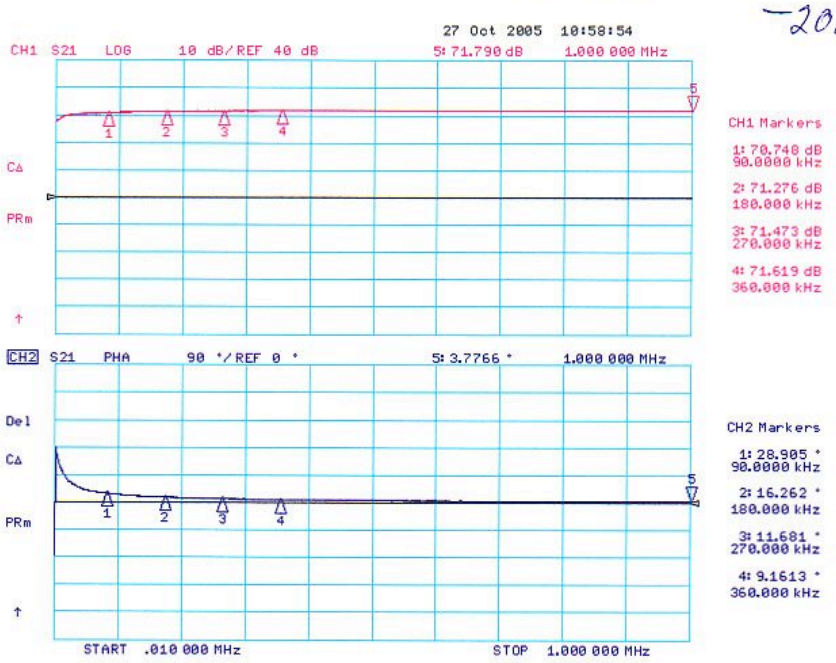
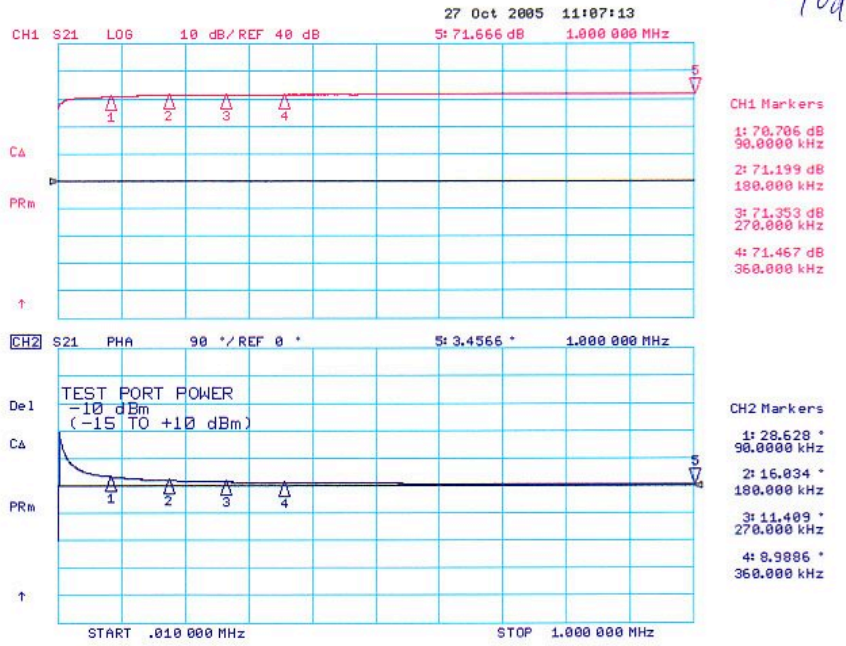
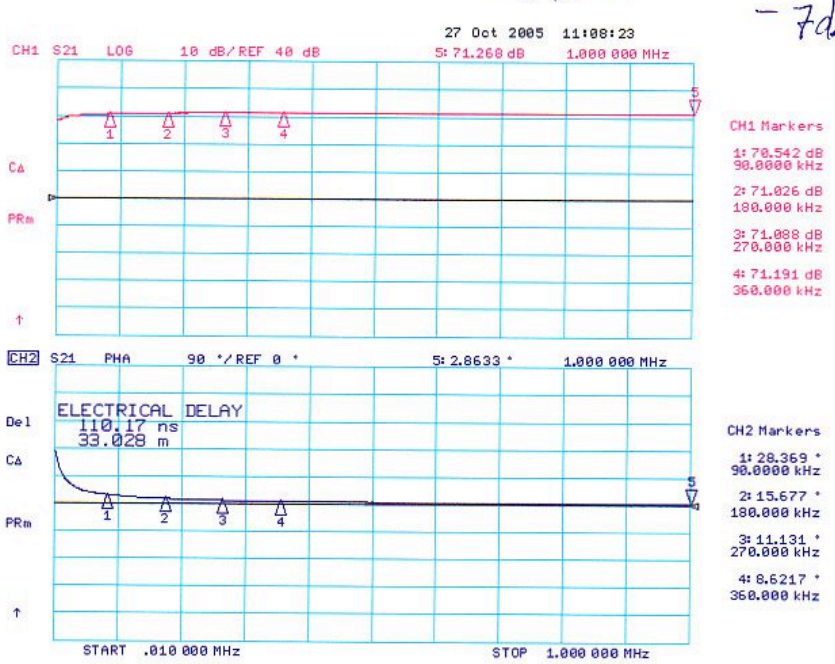
#26130 208V -20dbm



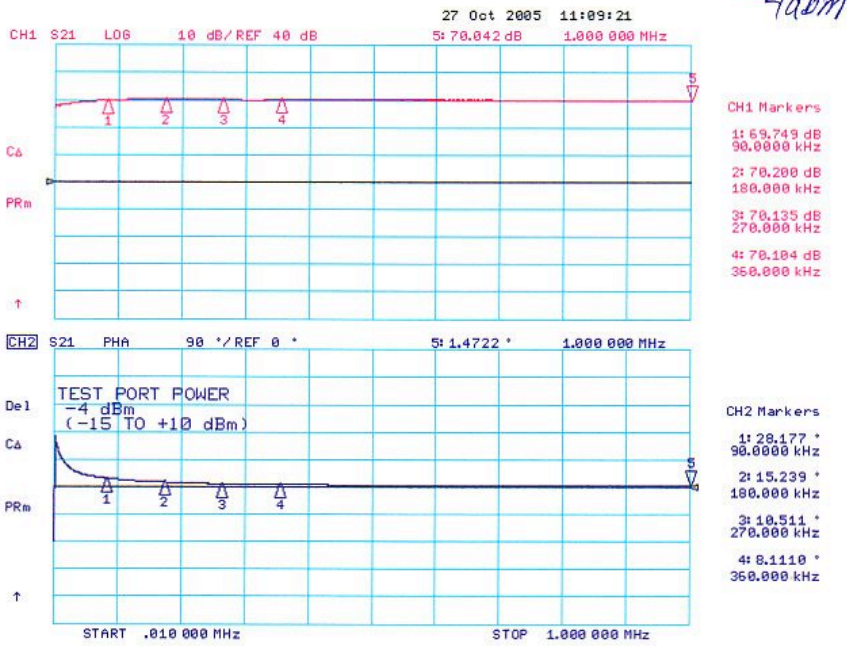
#26130 208V -10dbm



#26130 208V -7dbm

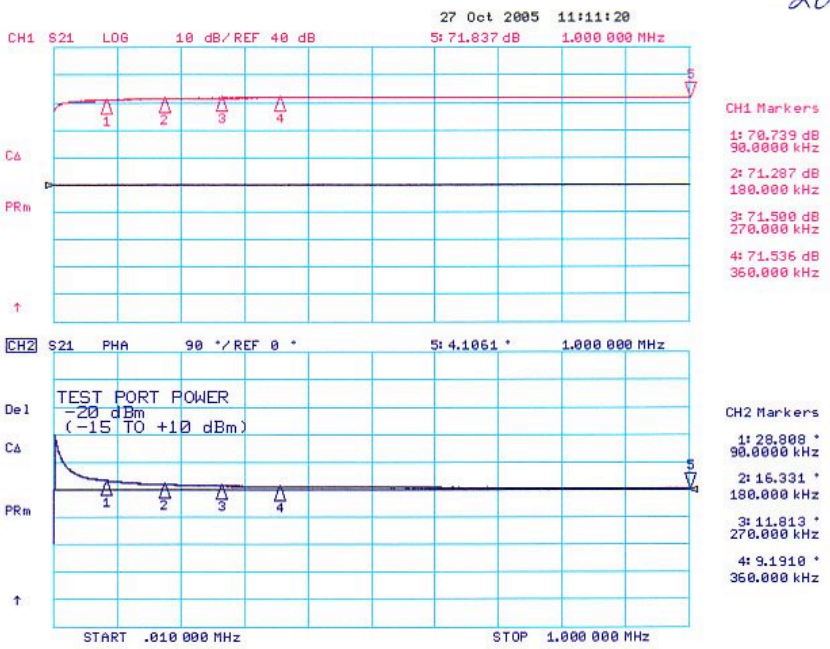


#26130 208V -4dbm



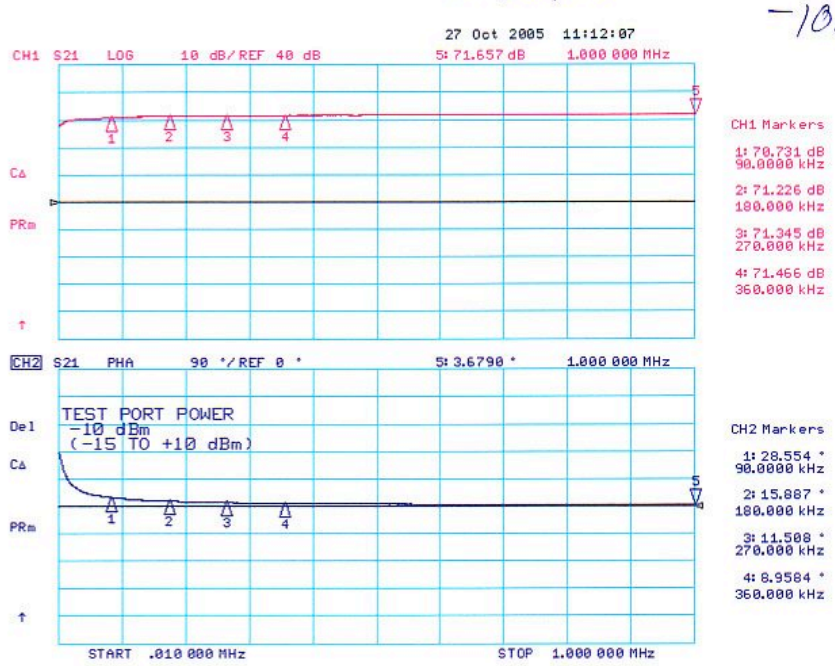
#26130

188V
-20dbm



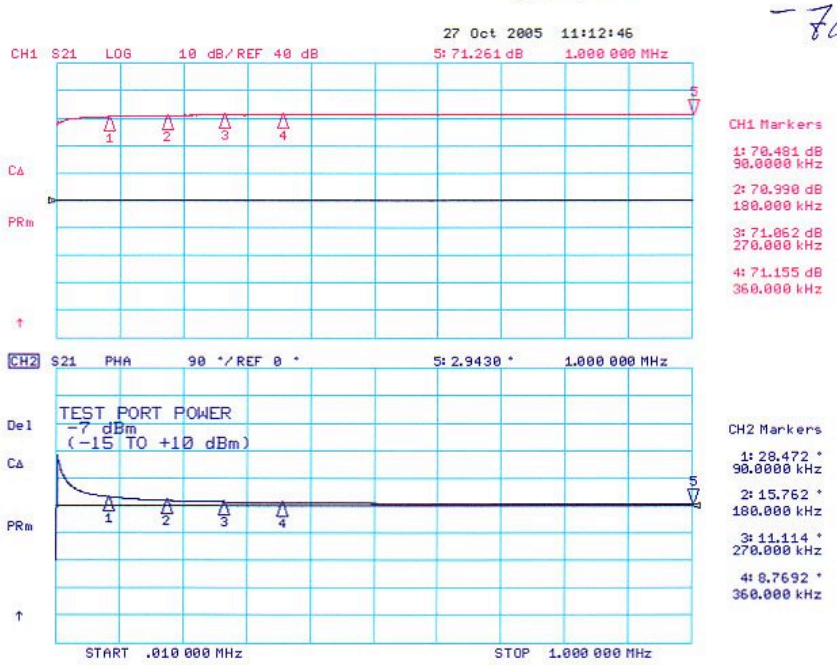
#26130

188V
-10dbm



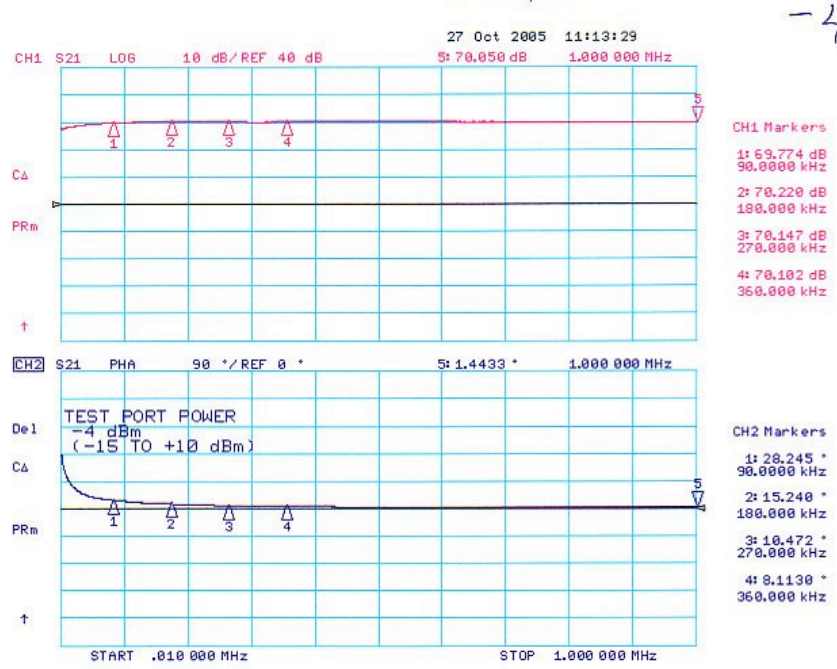
#26130

188V
-7dbm



#26130

188V
-4dbm



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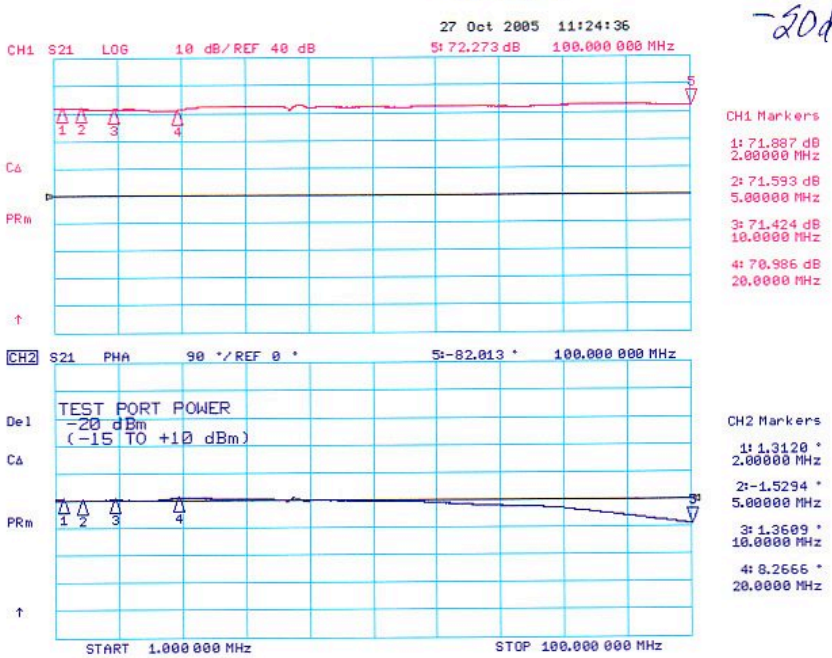
208V
-20dbm



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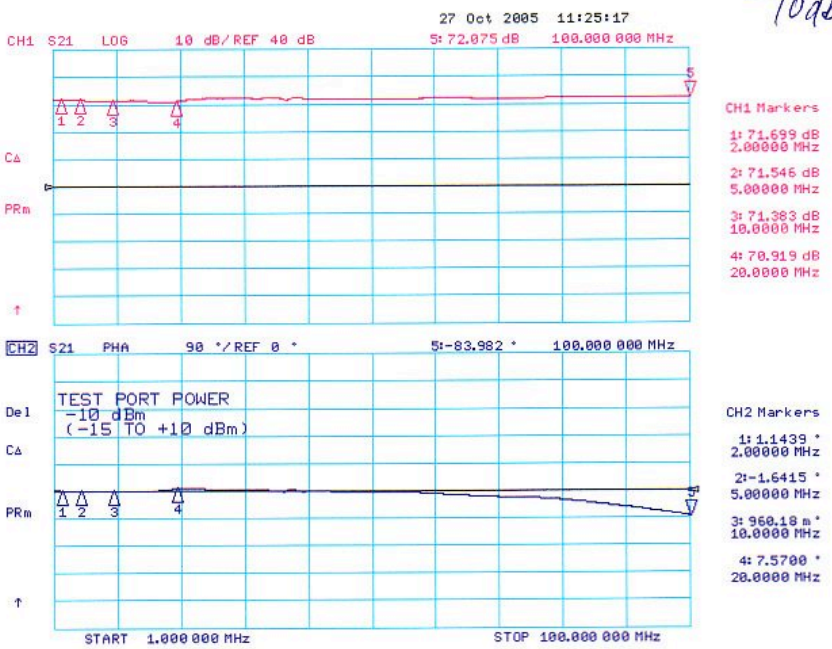
208V
-10dbm



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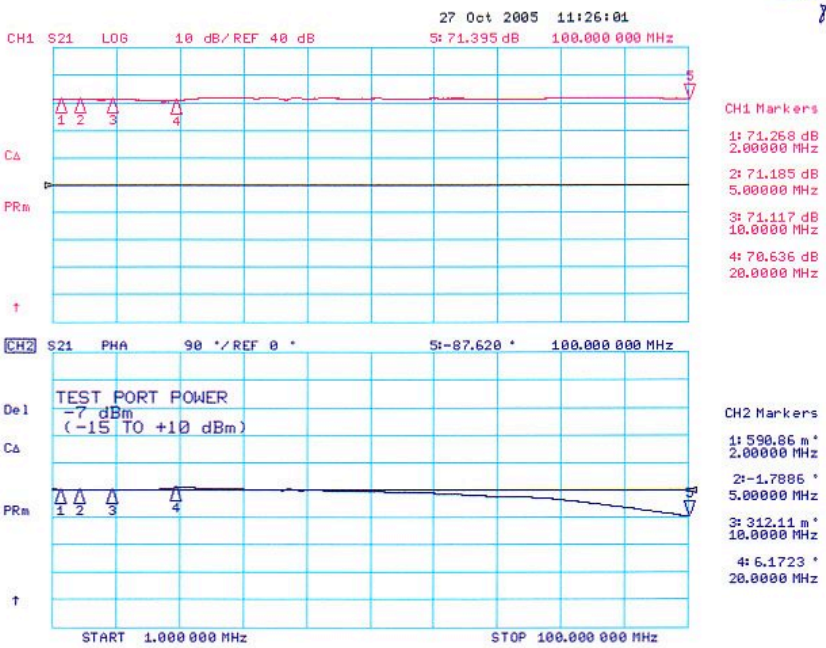
208V
-7dbm



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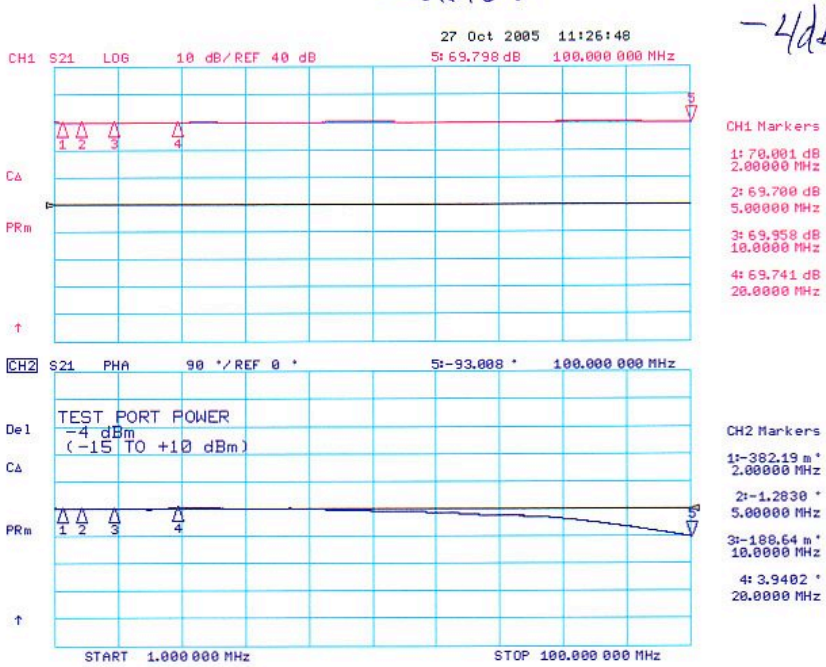
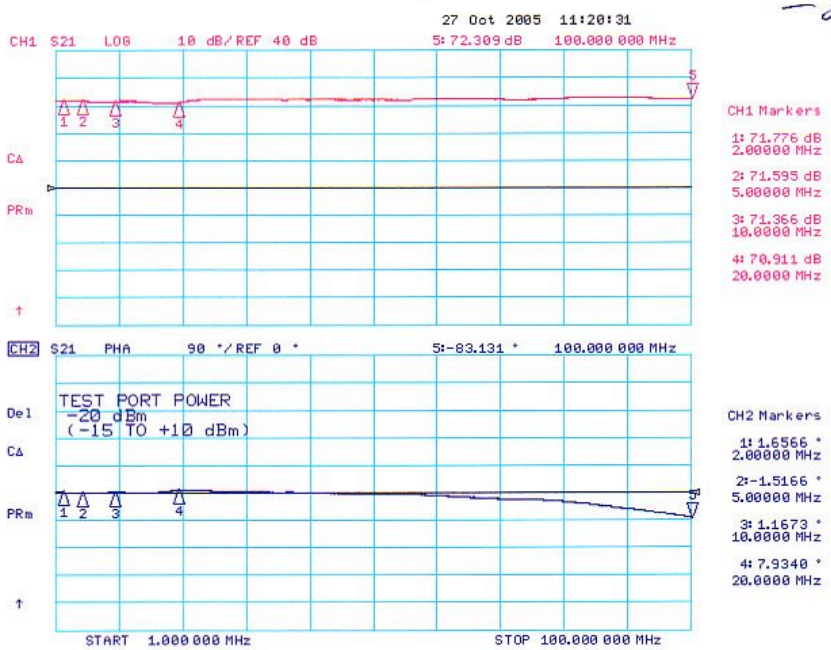
208V
-4dbm



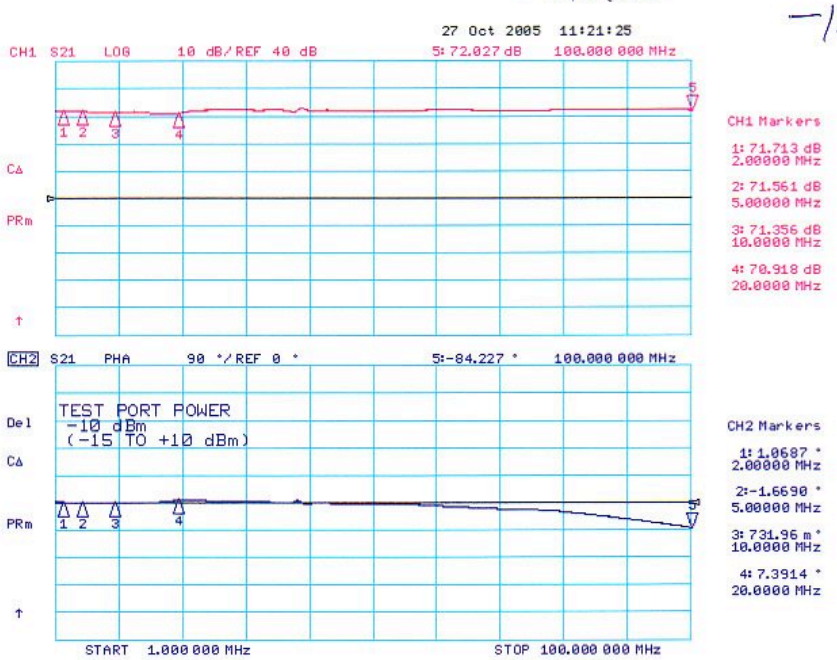
26130

188V
−20dbm



26130

188V
−10dbm



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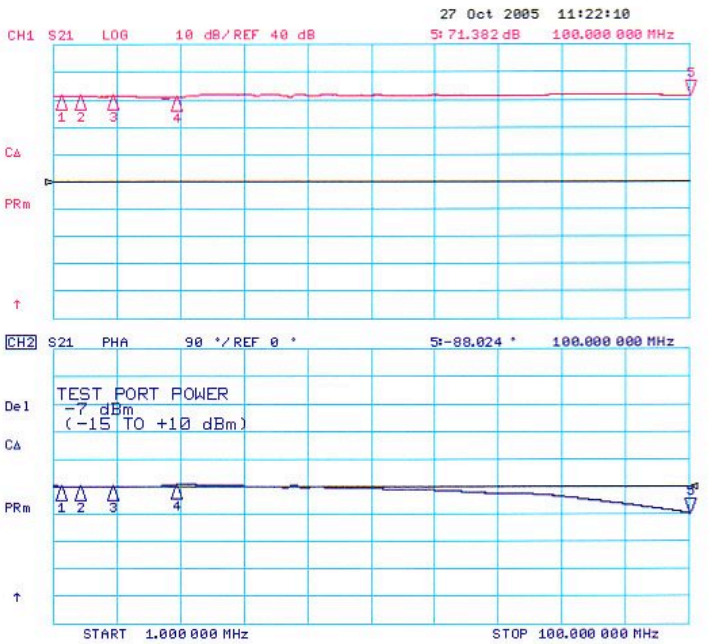
188V
-7dbm



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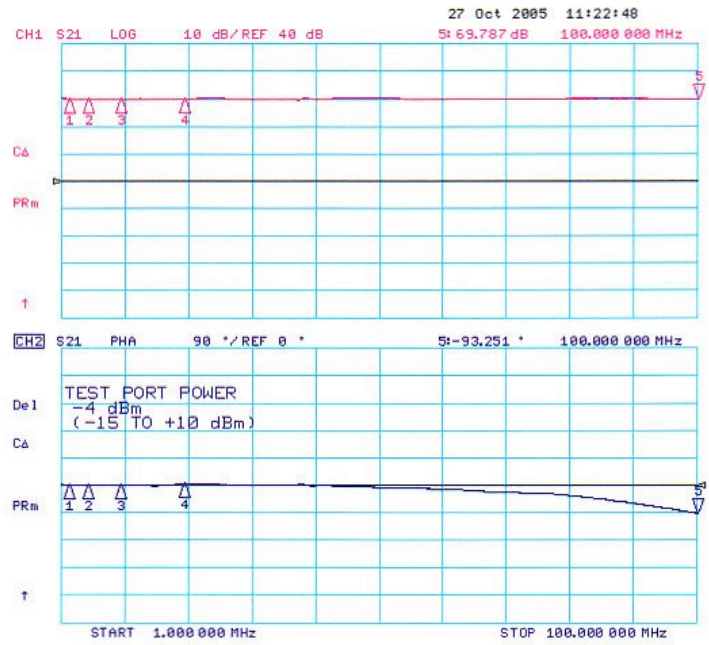
188V
-4dbm



FERMILAB
ENGINEERING NOTE

SECTION	PROJECT	SERIAL-CATEGORY	PAGE
	Recycler	26130	1

SUBJECT: 3500A100 Gain Variation with time/temp.

NAME: MCA

DATE: 10-26-05

REVISION DATE:

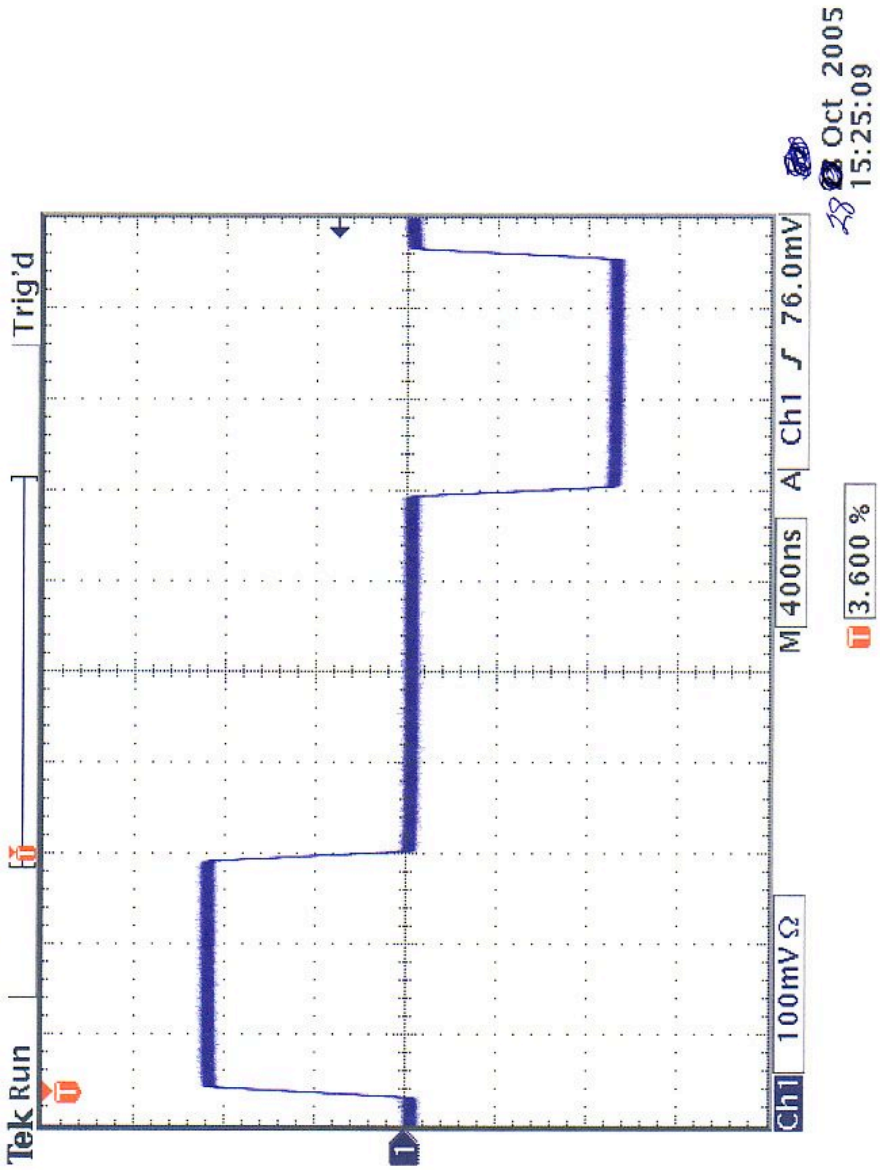
Cold Start	Vector Voltmeter	Panel
14:00	-1.15 dbm	≈575w.
14:05	-2.09 dbm	468w.
14:10	-2.49 dbm	433w.
14:15	-2.71 dbm	417w.
14:20	-2.82 dbm	408w.
14:25	-2.87 dbm	404w.
14:30	-2.91 dbm	403w.
14:35	-2.94 dbm	403w.

1MHz @ -15 dbm Input

60 db attenuation on output.

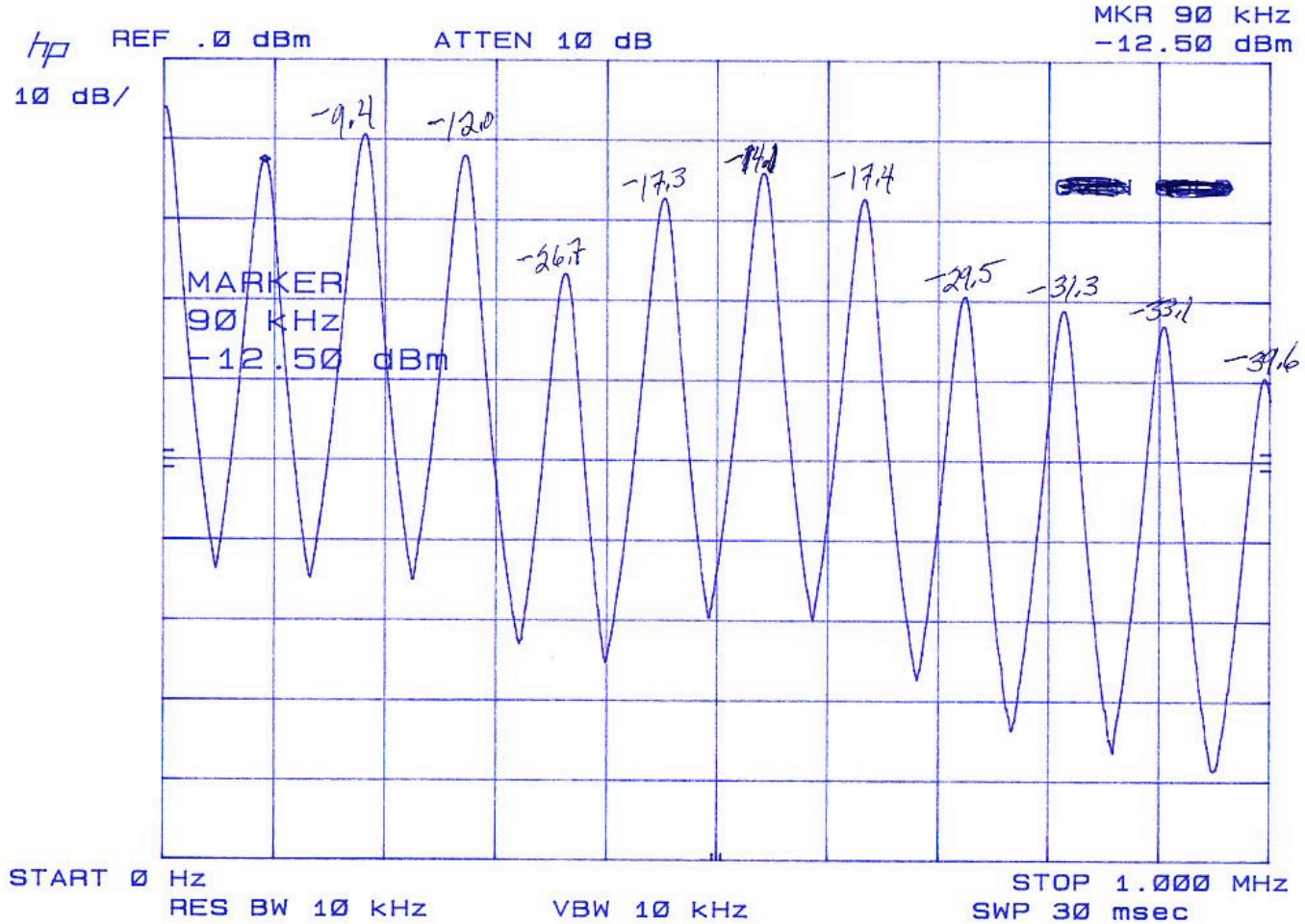
TDS 3034 28 Oct 2005 15:25:10

Arb. generator 13db pad head of scope



Arb. generator 10db pad ah. d of S.A.

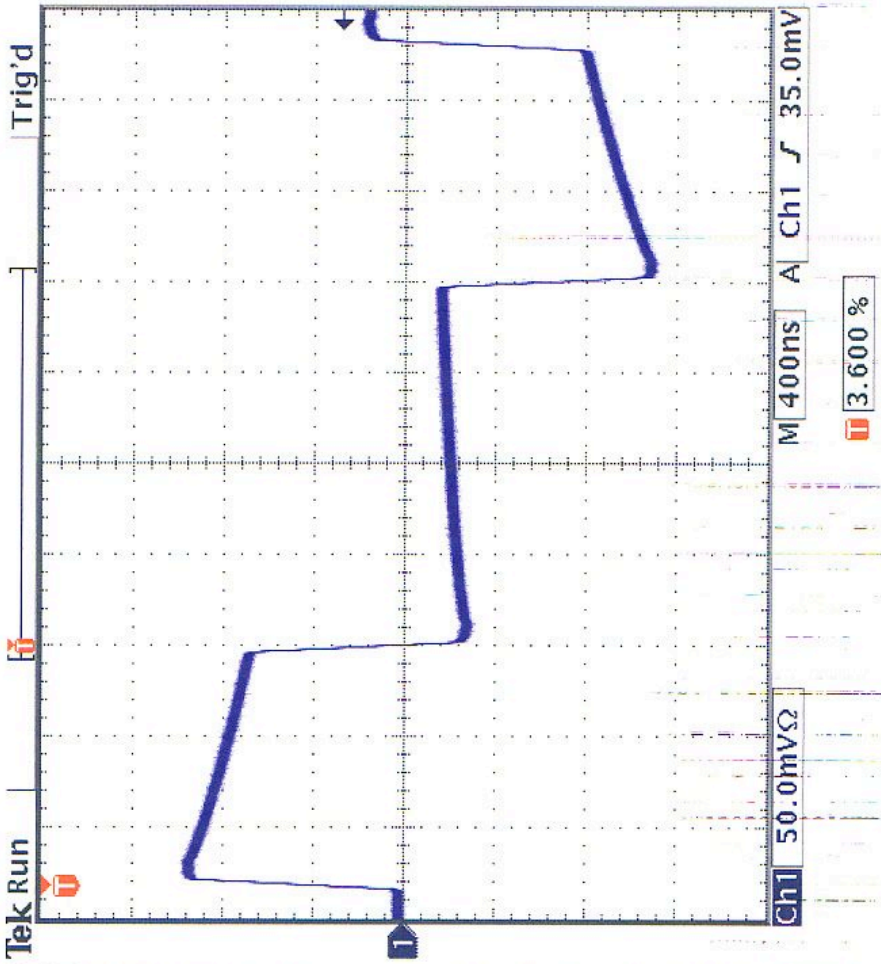
10-28-05



TDS 3034 28 Oct 2005 15:55:35

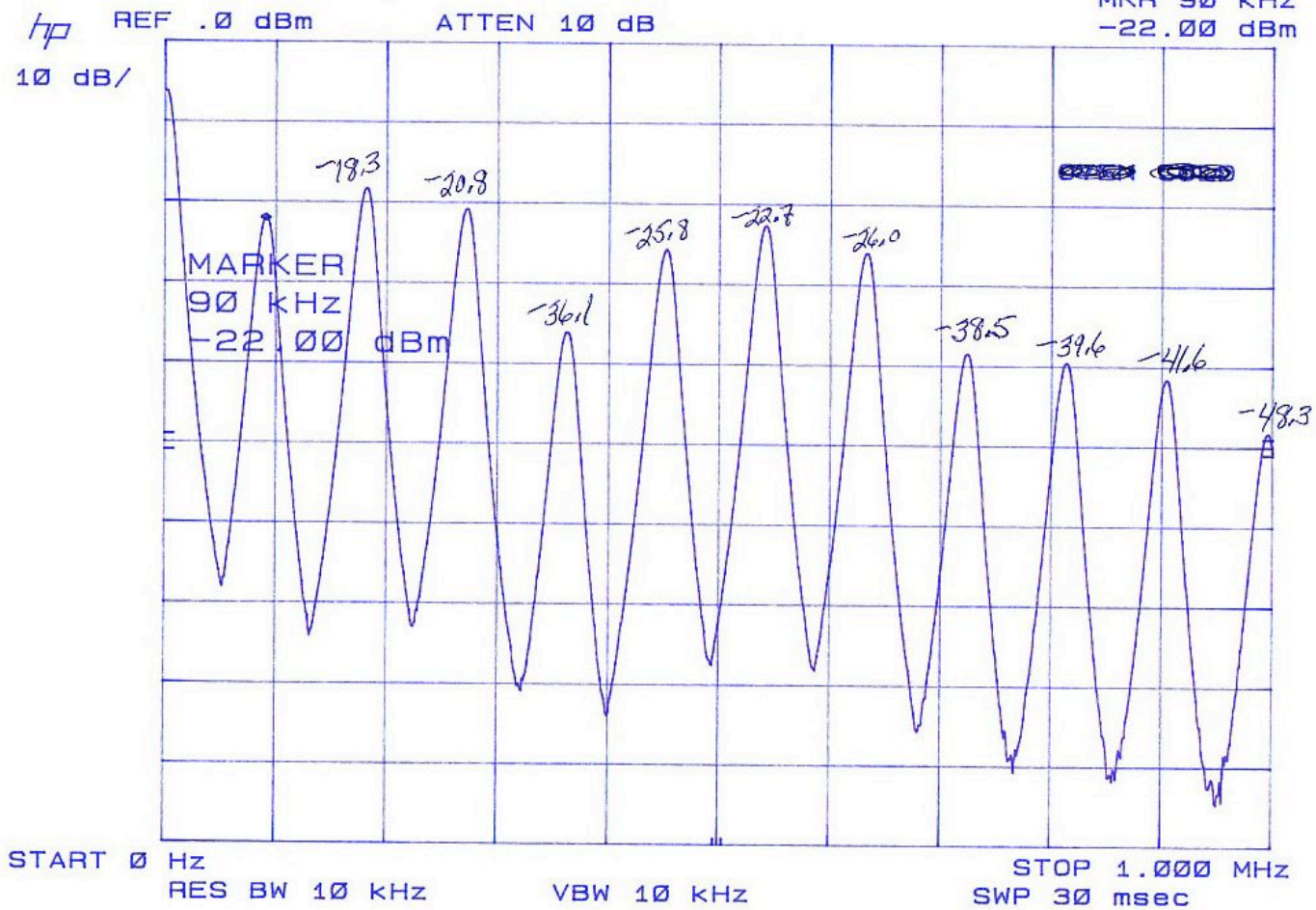
#26130

Output ≈ 100V pk

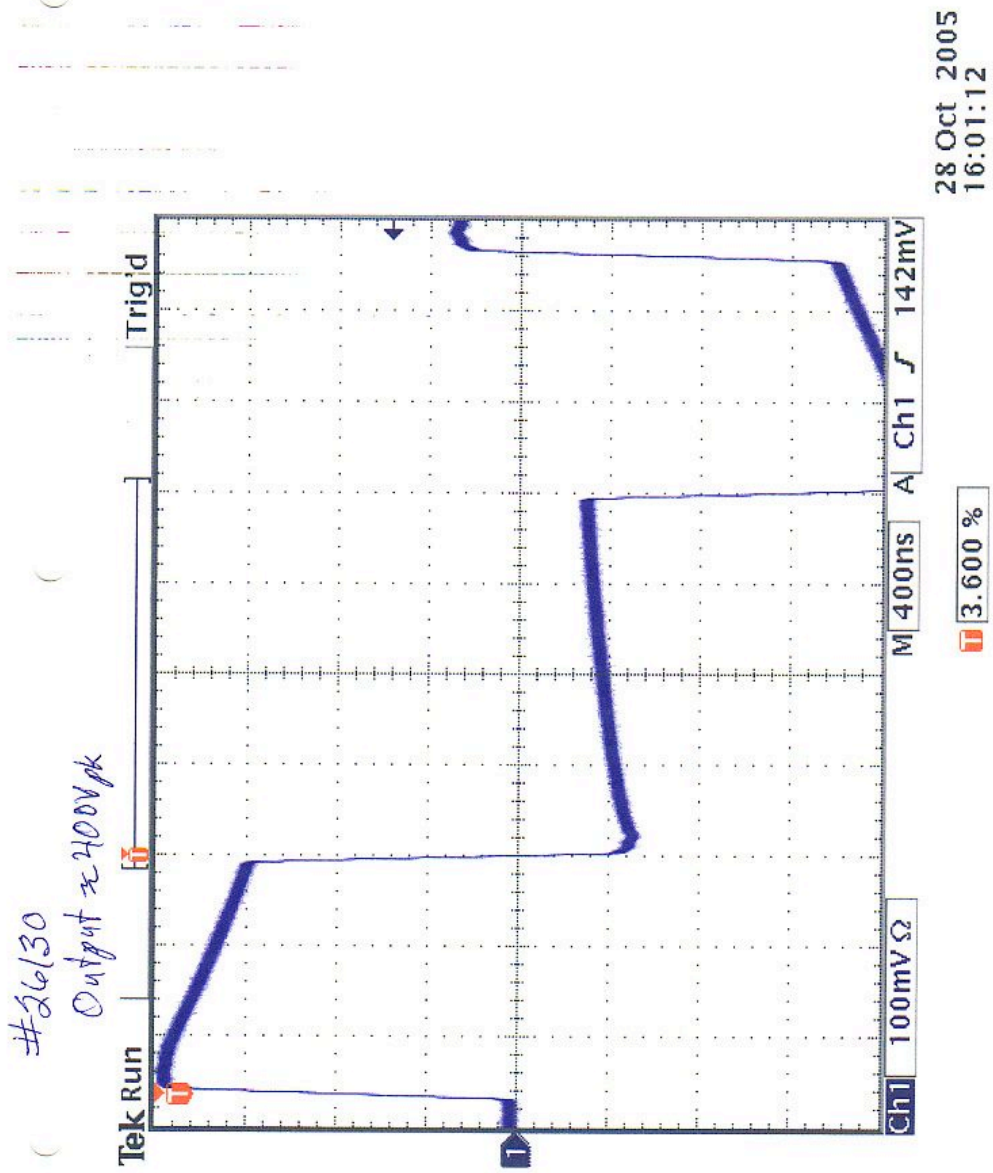


#26130
Output ≈ 100 Vpk.

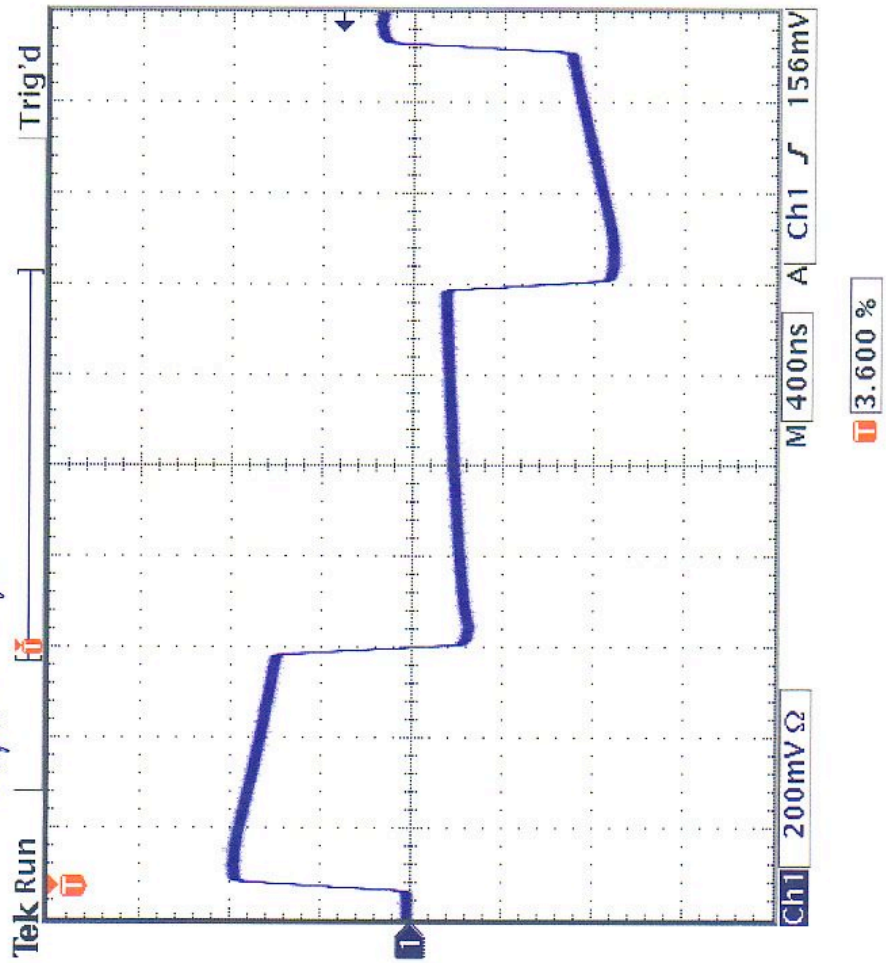
10-28-05



TDS 3034 28 Oct 2005 16:01:12



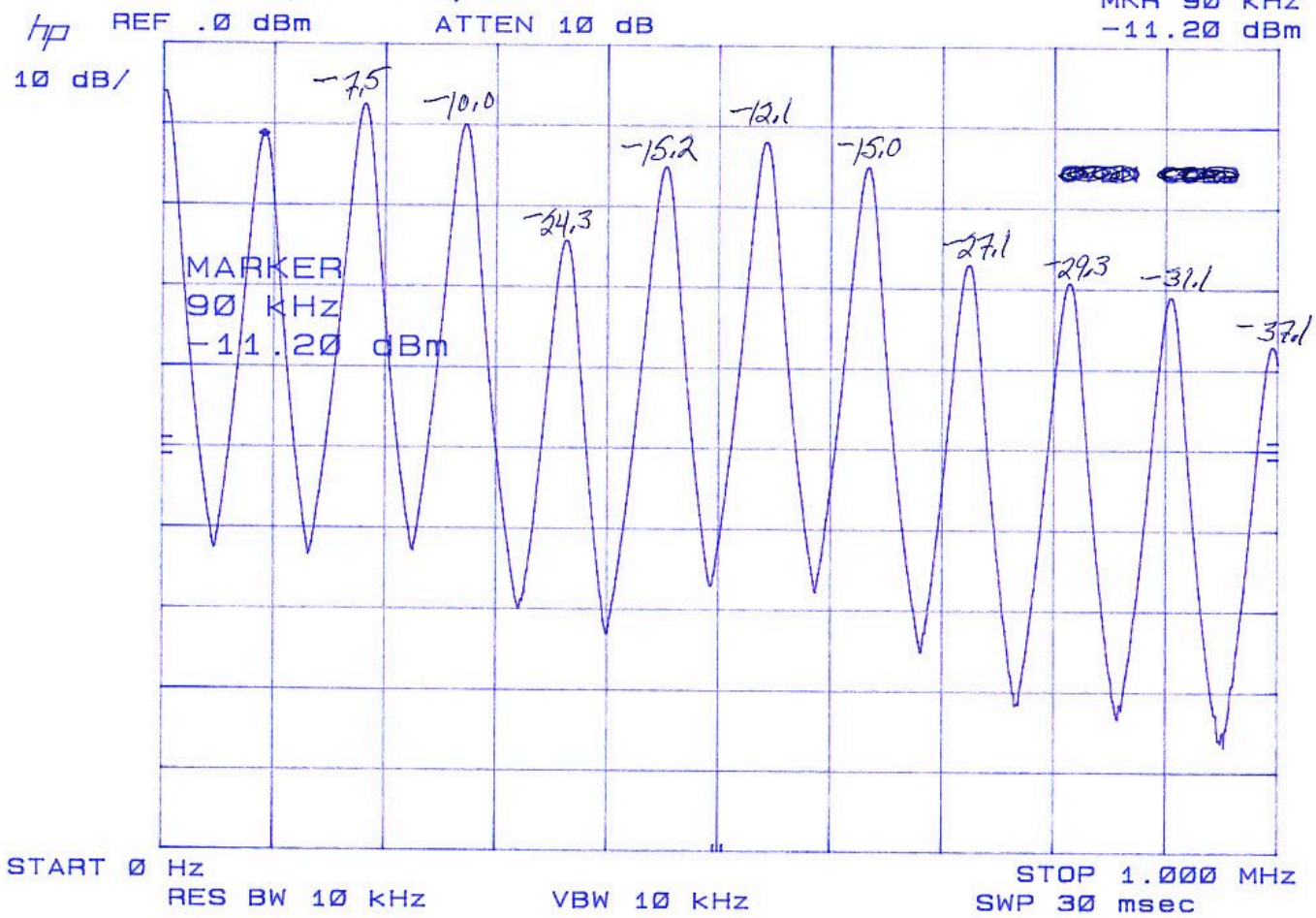
TDS 3034 28 Oct 2005 16:11:50



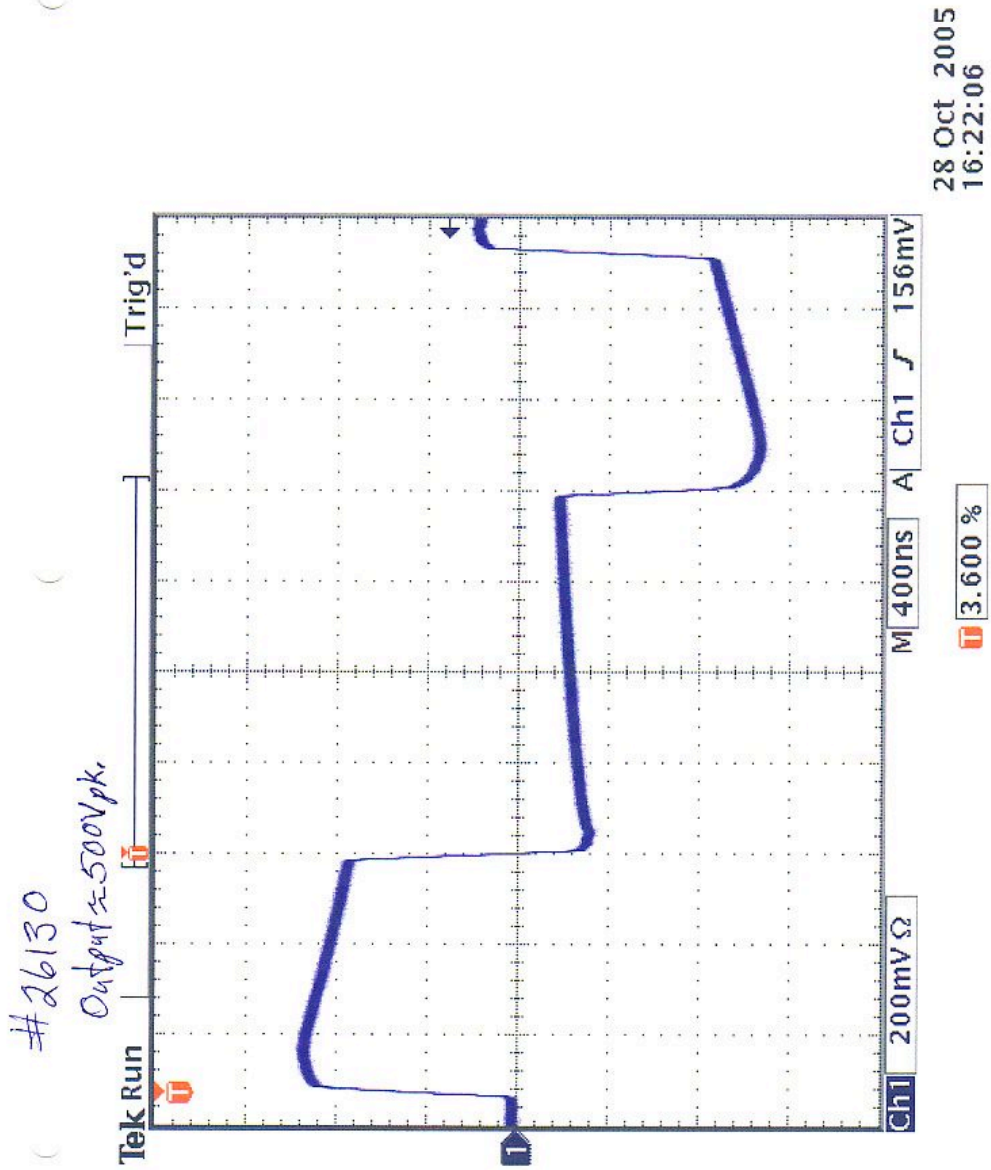
#26130
Output ≈ 400Vpk.

#26130
Output ≈ 400Vpk.

10-28-05

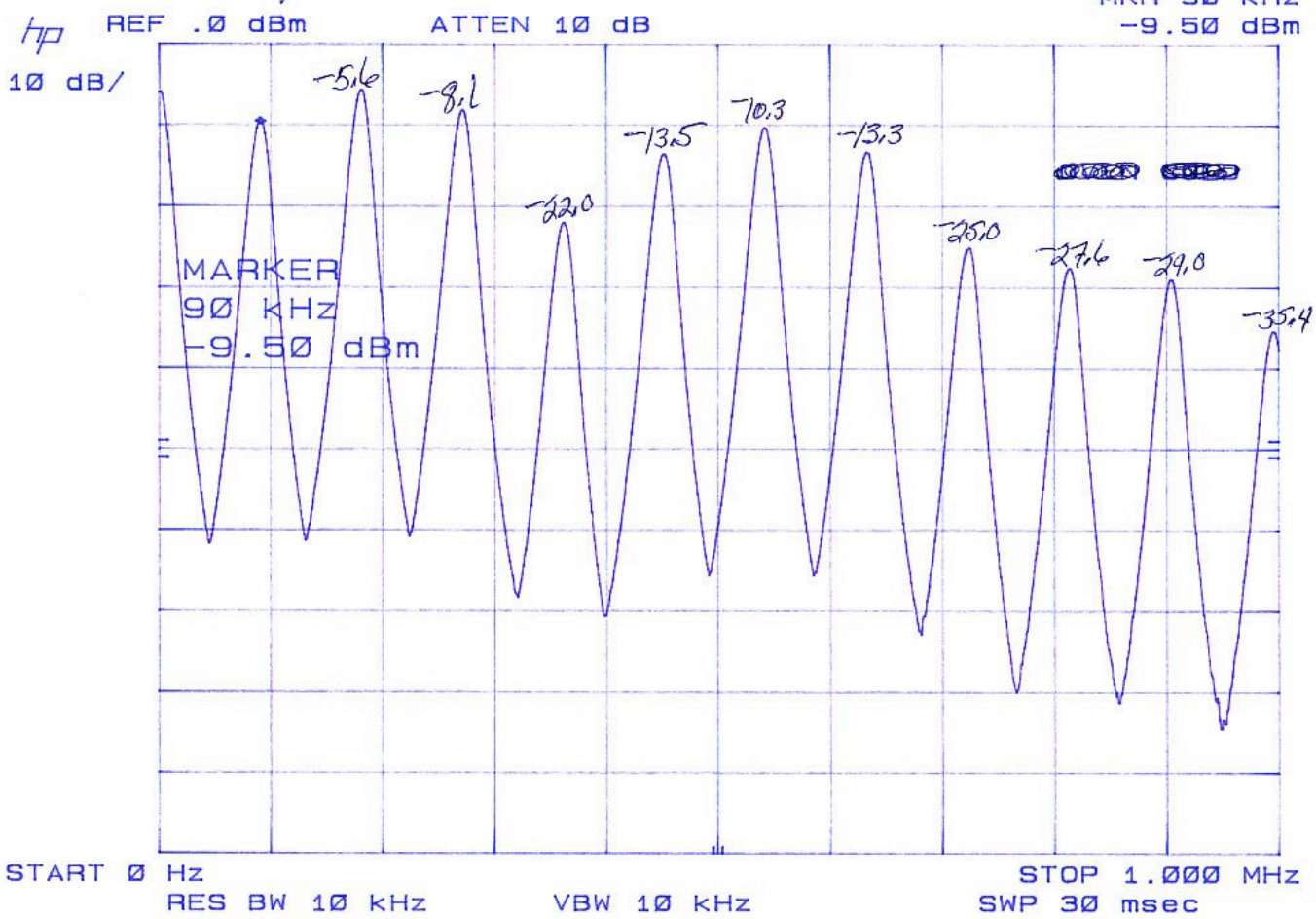


TDS 3034 28 Oct 2005 16:22:0



#26130
Output ≈ 500V pk.

10-28-05

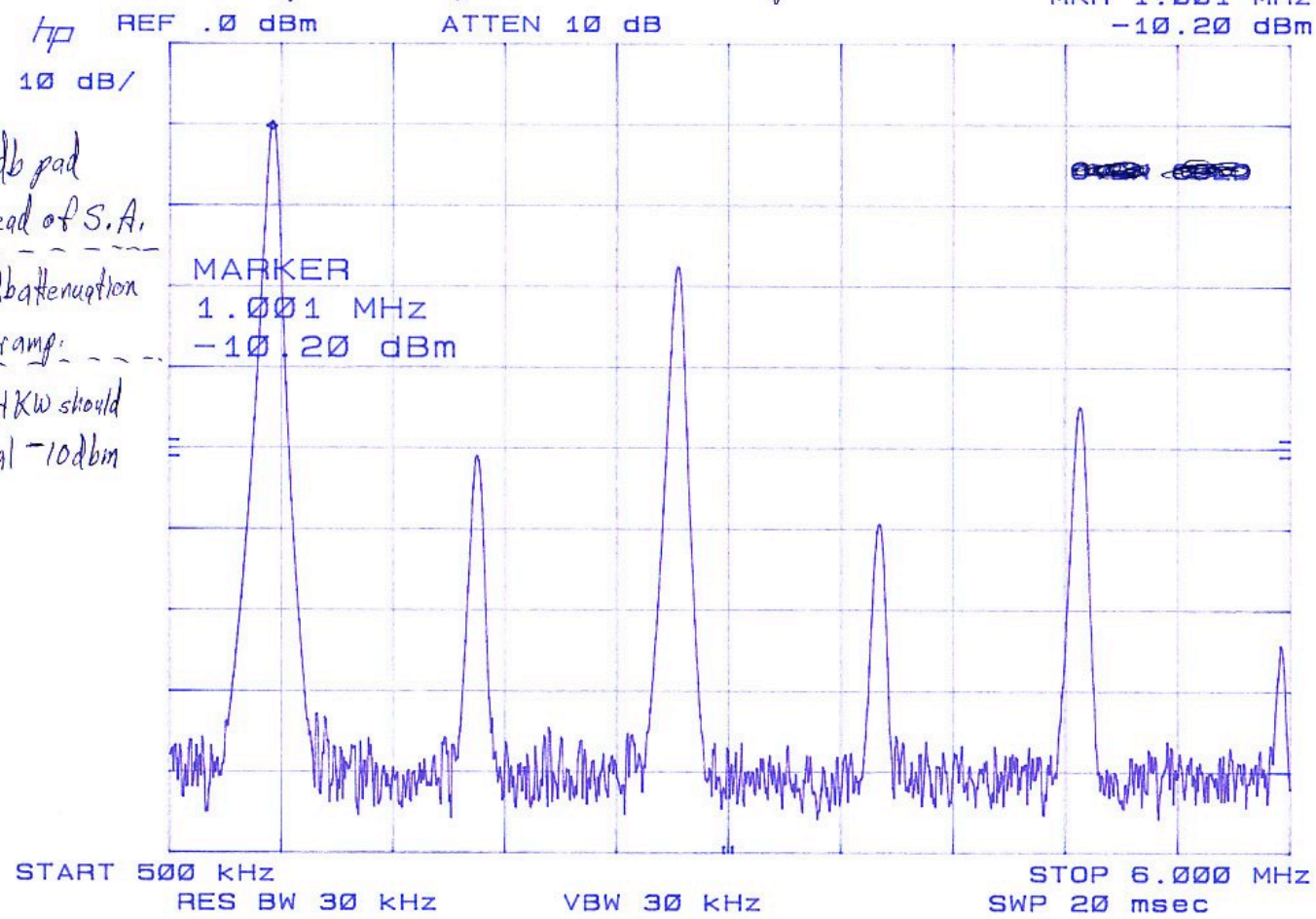


#26130

Reading 3400W. on panel

0db input attenuation

10-28-05



10db pad ahead of S.A.

66db attenuation after amp:

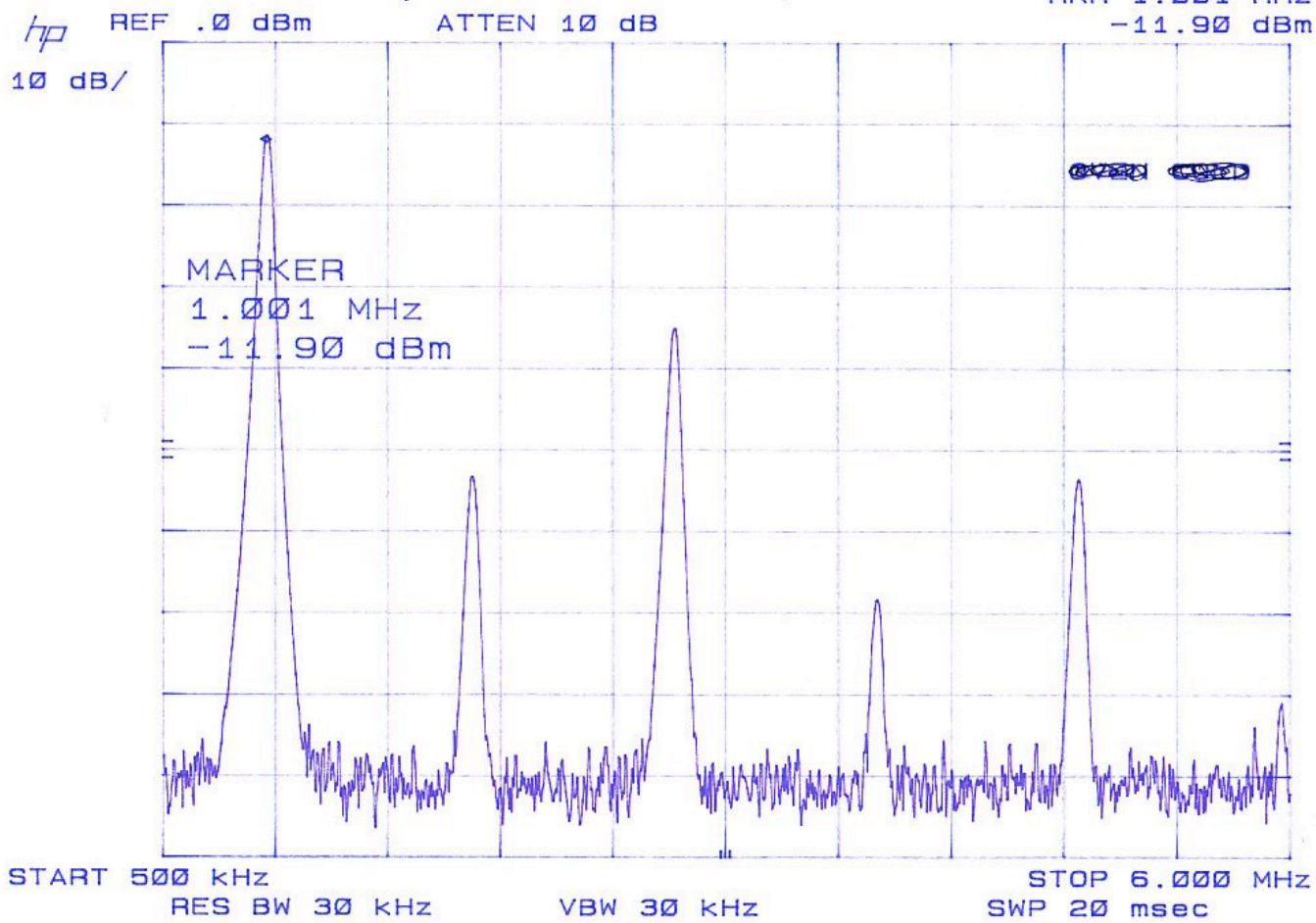
So 4KW should equal -10dbm

#26130

2333Watts on panel

3db input attenuator

10-28-05

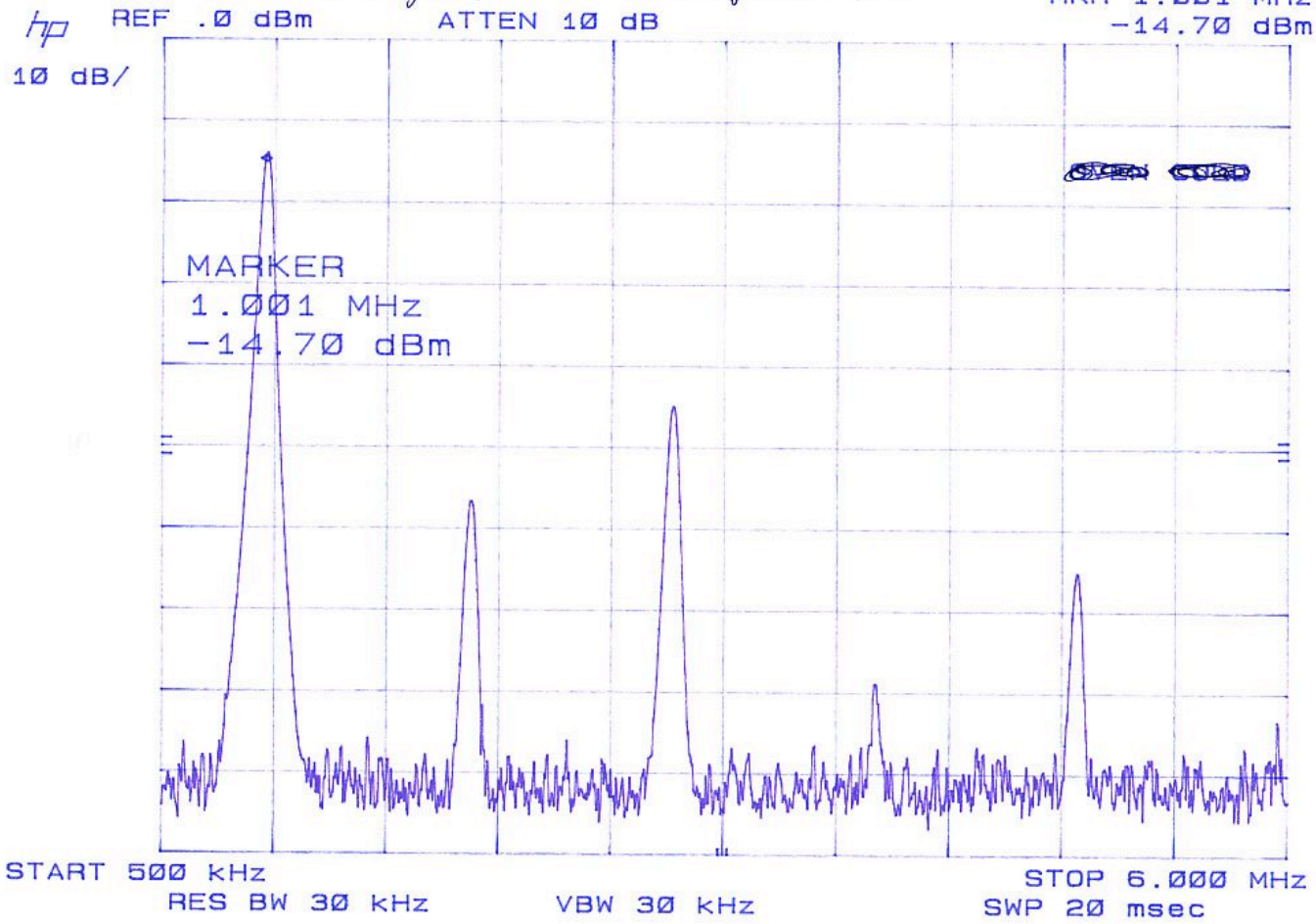


#26130

1377 Watts on panel

6 db input attenuation

10-28-05

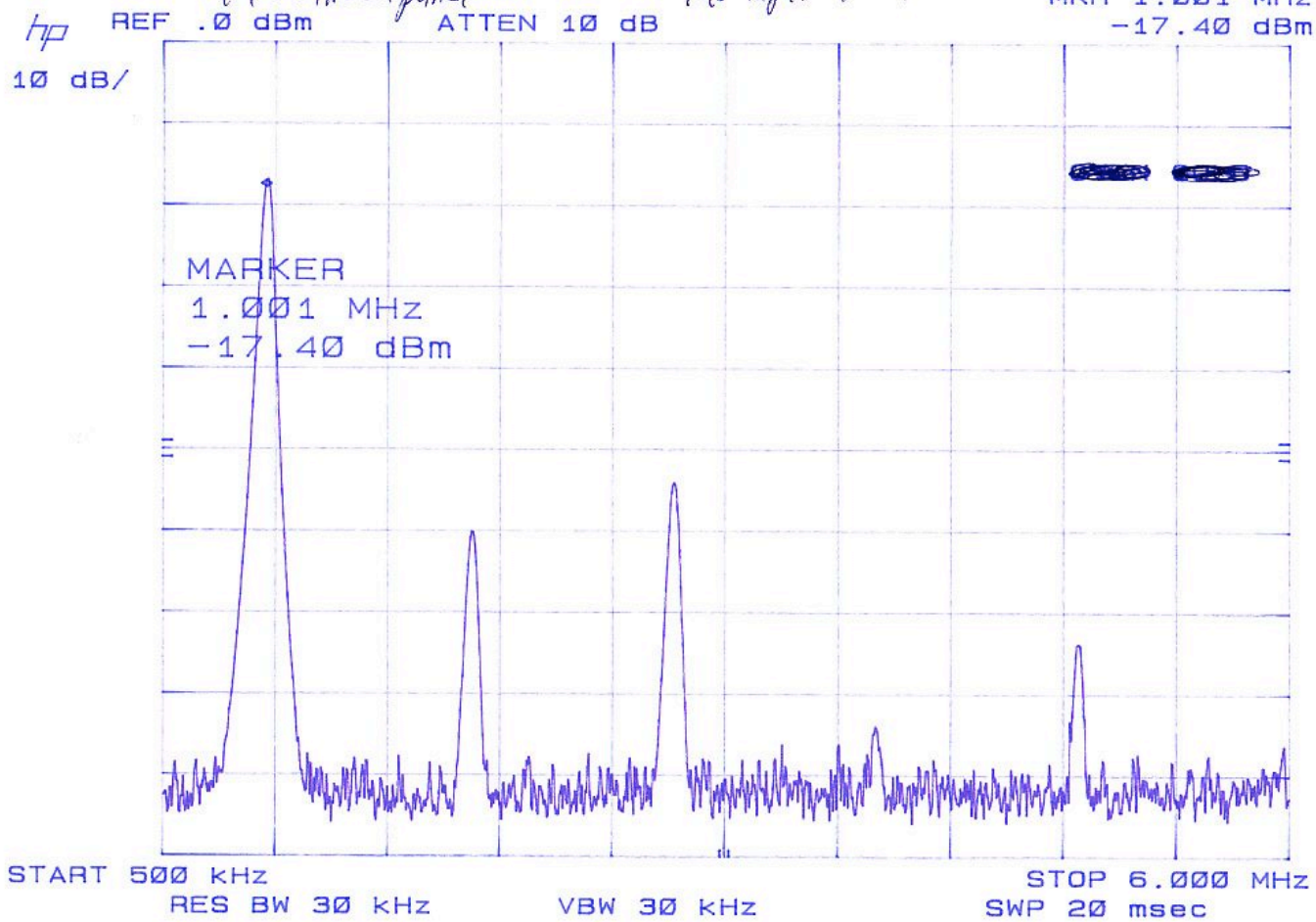


#26130

745 watts on panel

9db input attenuation

10-28-05

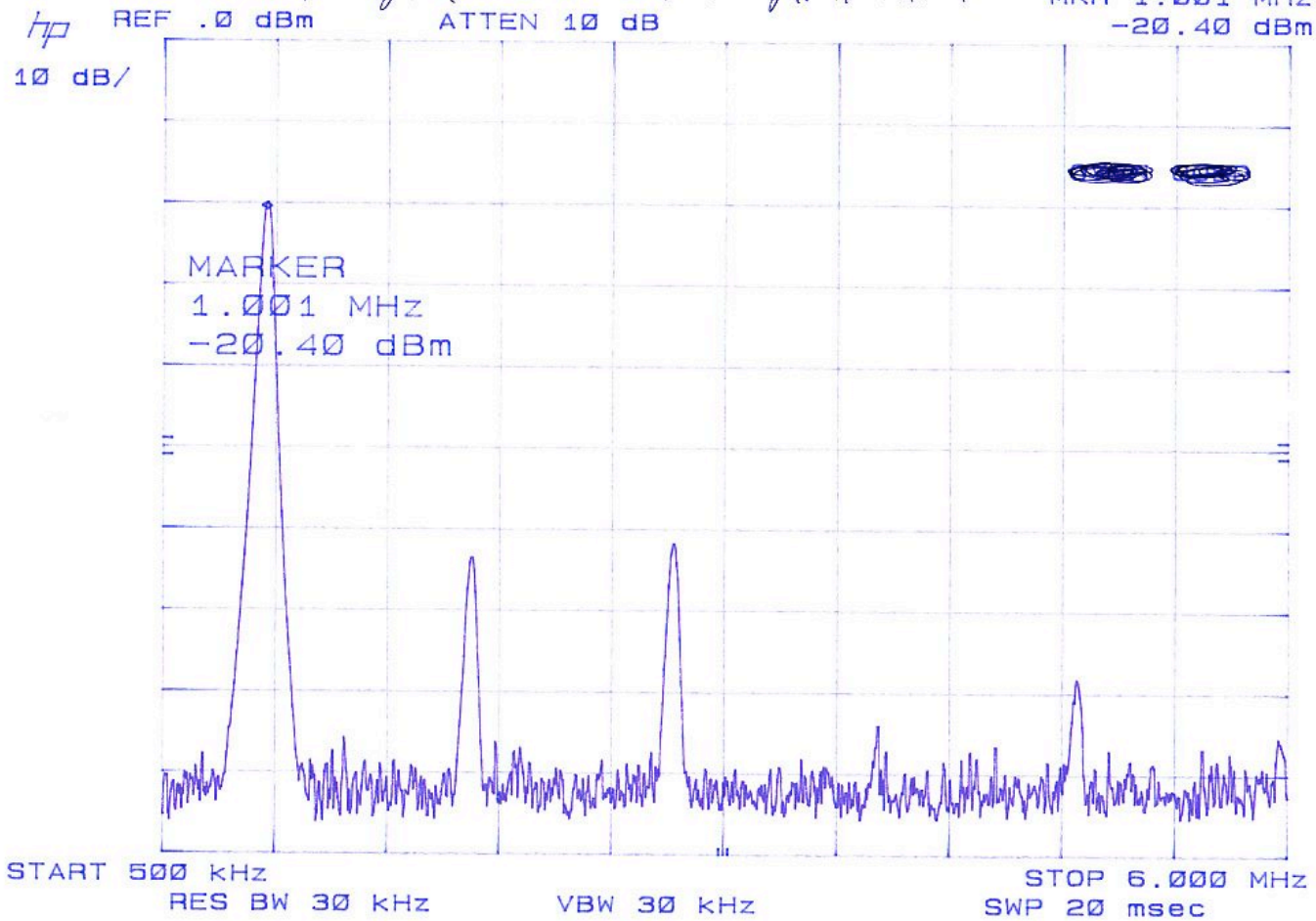


#26130

368 Watts on panel

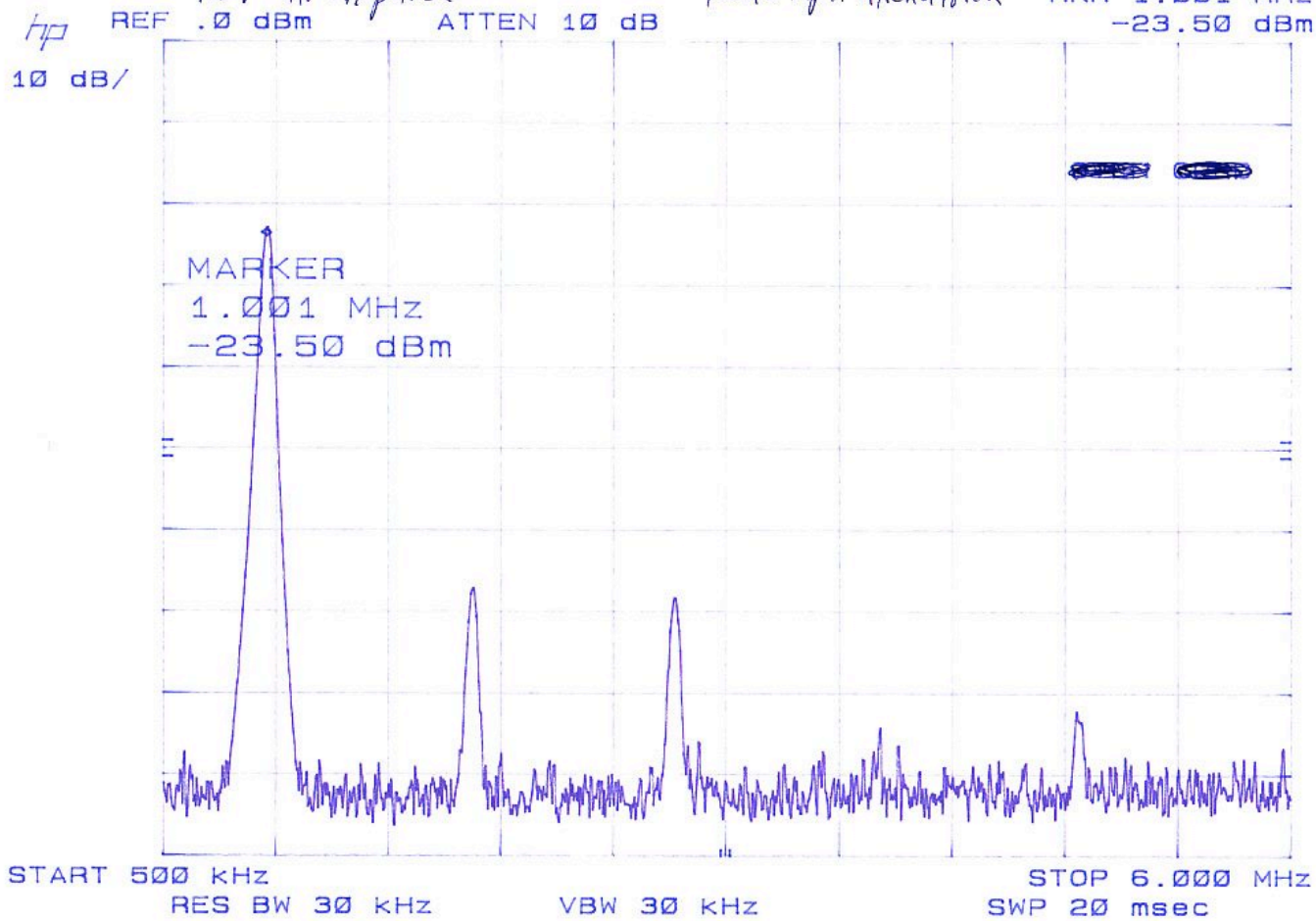
12db input attenuation

10-28-05



#26130

167 watts on panel

15db input attenuation

10-28-05