

AMPLIFIER PLOTS FFPA8689-35

With reference to MPD Technologies' application dated 4/14/98 and received by FCC 4/17/98 for Non-Broadcast Transmitter, FCC ID MCDFFPA8689-35 and Form 731 Confirmation Number EA89075, we are submitting the additional information that was requested to process our application: modulated bandwidth comparison plots and IM plots for each type of modulation to be used with the unit. The attachment consists of the following:

Figure	Description
1	Wideband input
2	Wideband output
3	TDMA input
4	TDMA output
5	CDMA input
6	CDMA output

In all cases the requirements according to Sections 2.989 & 22.917 and 2.985 & 22.904 were met or exceeded by the amplifier.

Model N^o: FTFA 8689-35; $P_o = 35$ Watts

hp

REF 36.7 dBm AT 10 dB

SMPL	OCCUPIED BW	(99.00%)
------	-------------	----------

LOG	OBW:	30.38	KHz
-----	------	-------	-----

10	$\Delta f_c:$	-1.0 KHz
----	---------------	----------

dB/	Pwr:	44.6 dBm
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[illegible]

51.7

dB

AVG

10

WA SB

SC FC

CORR

SINGLE
MEAS

CONT
MEAS

CENTER
FREQ

OCC BW
% POWER

Setup

Previous
Menu

CENTER 881.0000 MHz

```
#RES BW 1.0 kHz
```

```
#VBW 10 kHz
```

SPAN 270.0 KHz

SWP 810 msec

Figure 1

Model N3 FFPA 8009-35
 Widespread FSK - P 35 WHz

14: 21: 03 AUG 14, 1998

hp

REF 44.4 dBm

AT 10 dB

MKR 881.0450 MHz

-35.17 dBm

SMPL

LOG

10

dB/

OFFST

51.7

dB

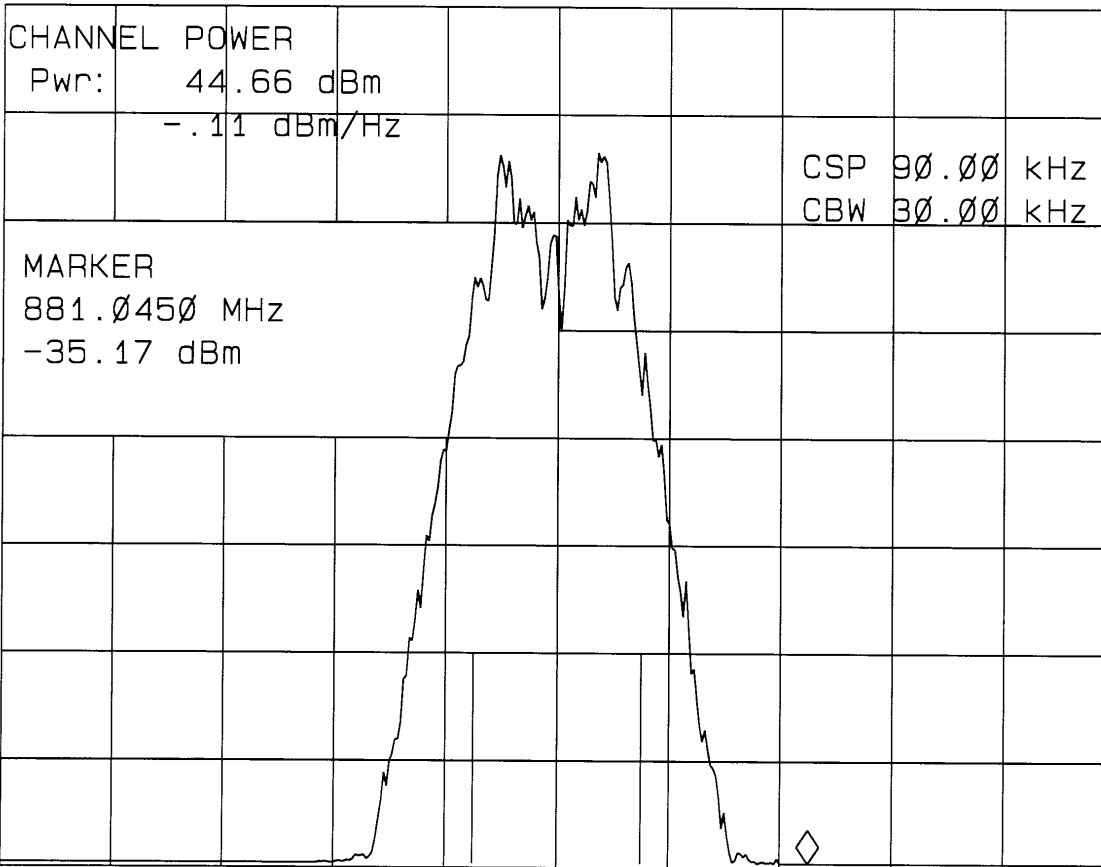
AVG

10

WA SB

SC FC

CORR



CENTER 881.0000 MHz

#RES BW 300 Hz

#VBW 3 kHz

SPAN 200.0 kHz

SWP 6.67 sec

Figure 2

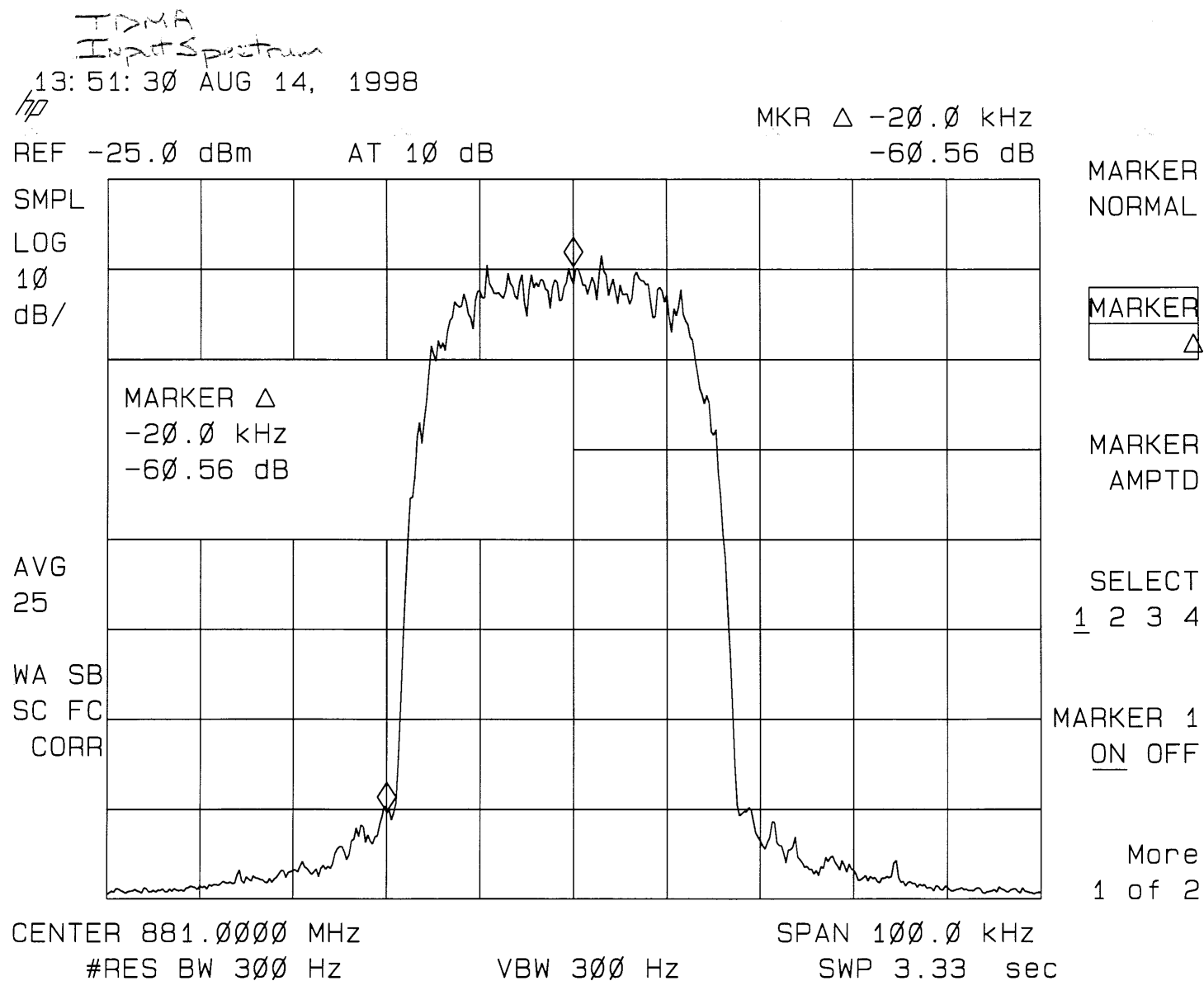


Figure 3

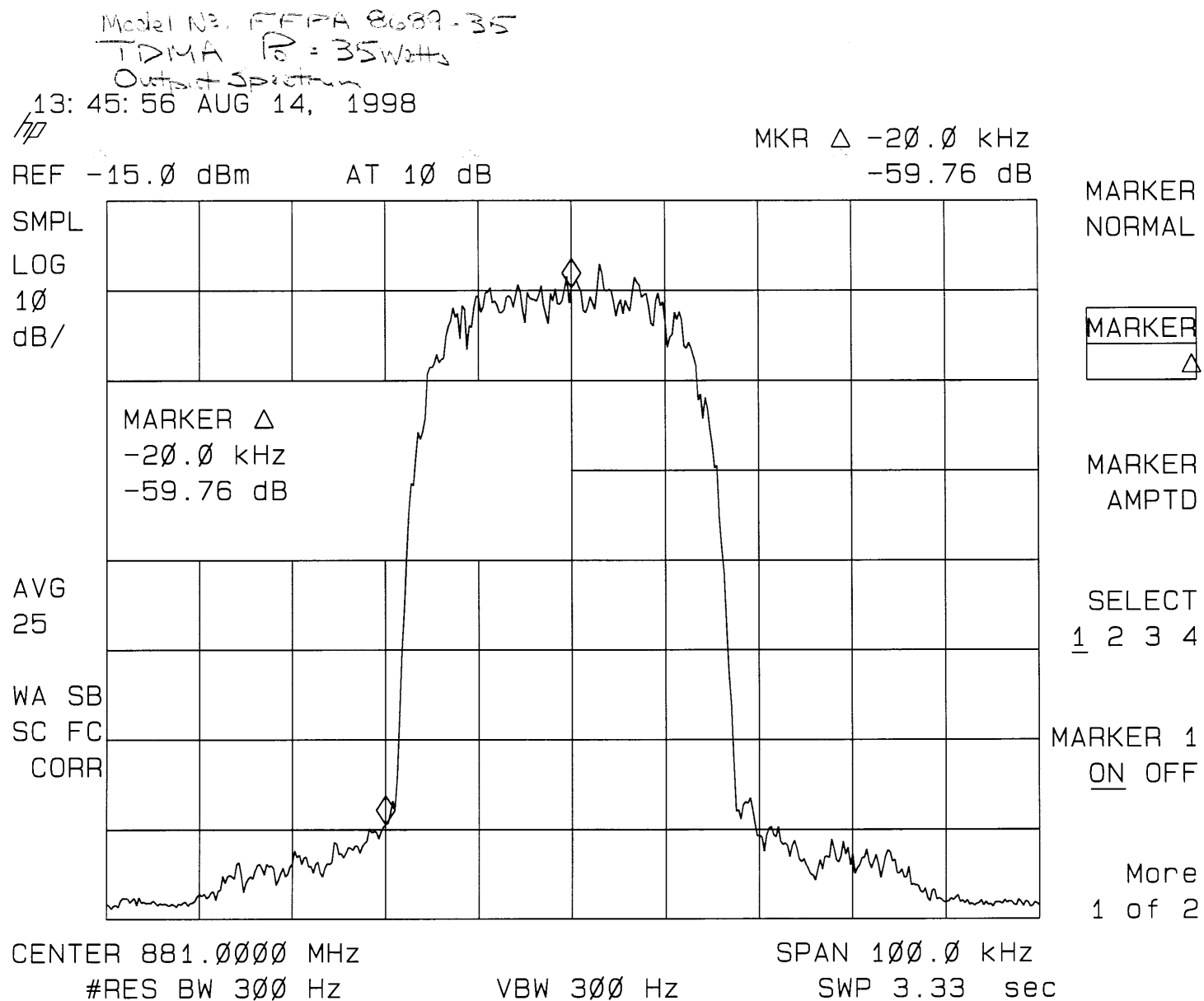


Figure 4

CDMA
Input Spectrum
13:29:18 AUG 14, 1998
hp

REF -20.0 dBm AT 10 dB

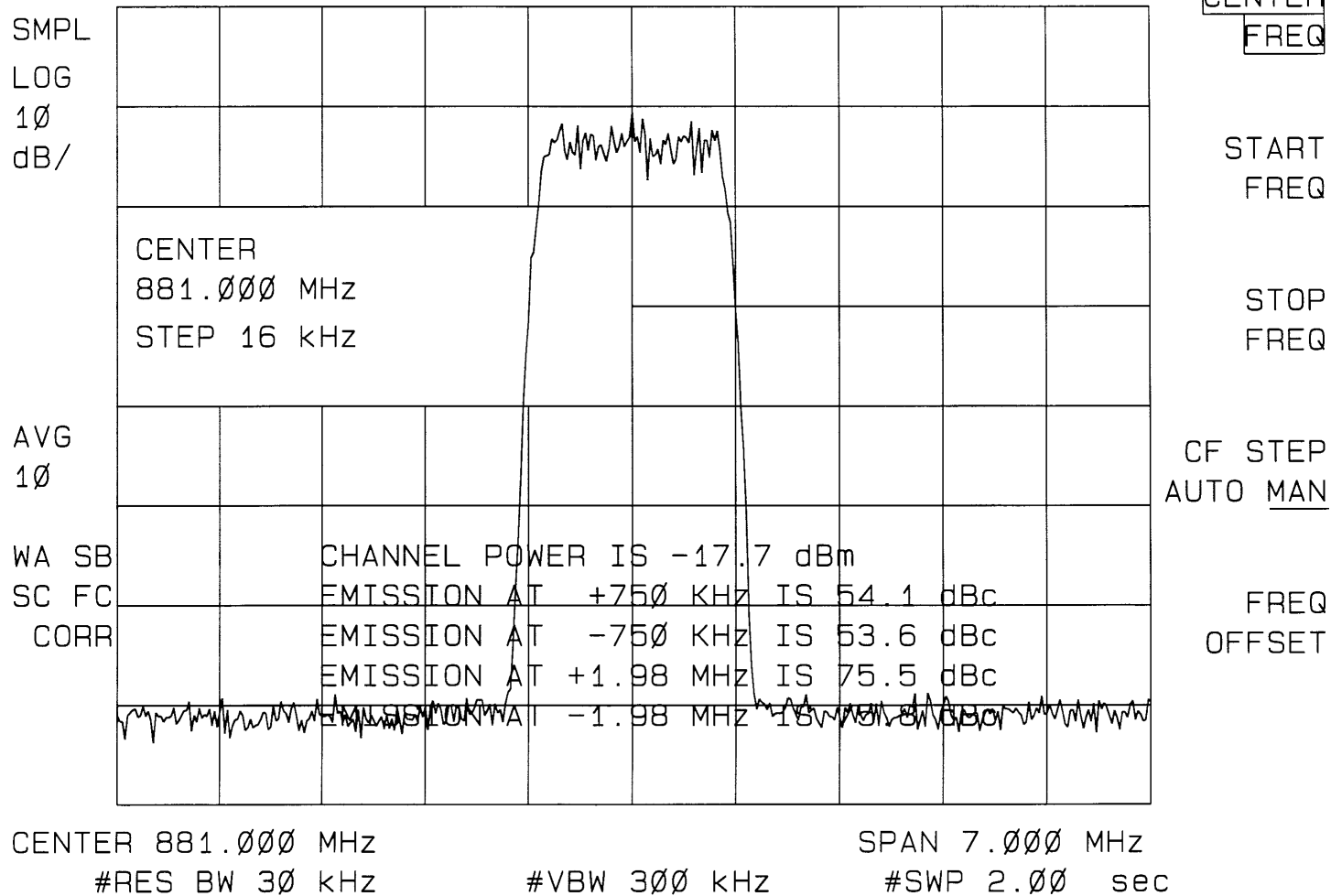


Figure 5

Model 10: FFPA 8029-315
 CDMA: P = 35W
 Output Spectrum
 13: 17: 24 AUG 14, 1998
 17

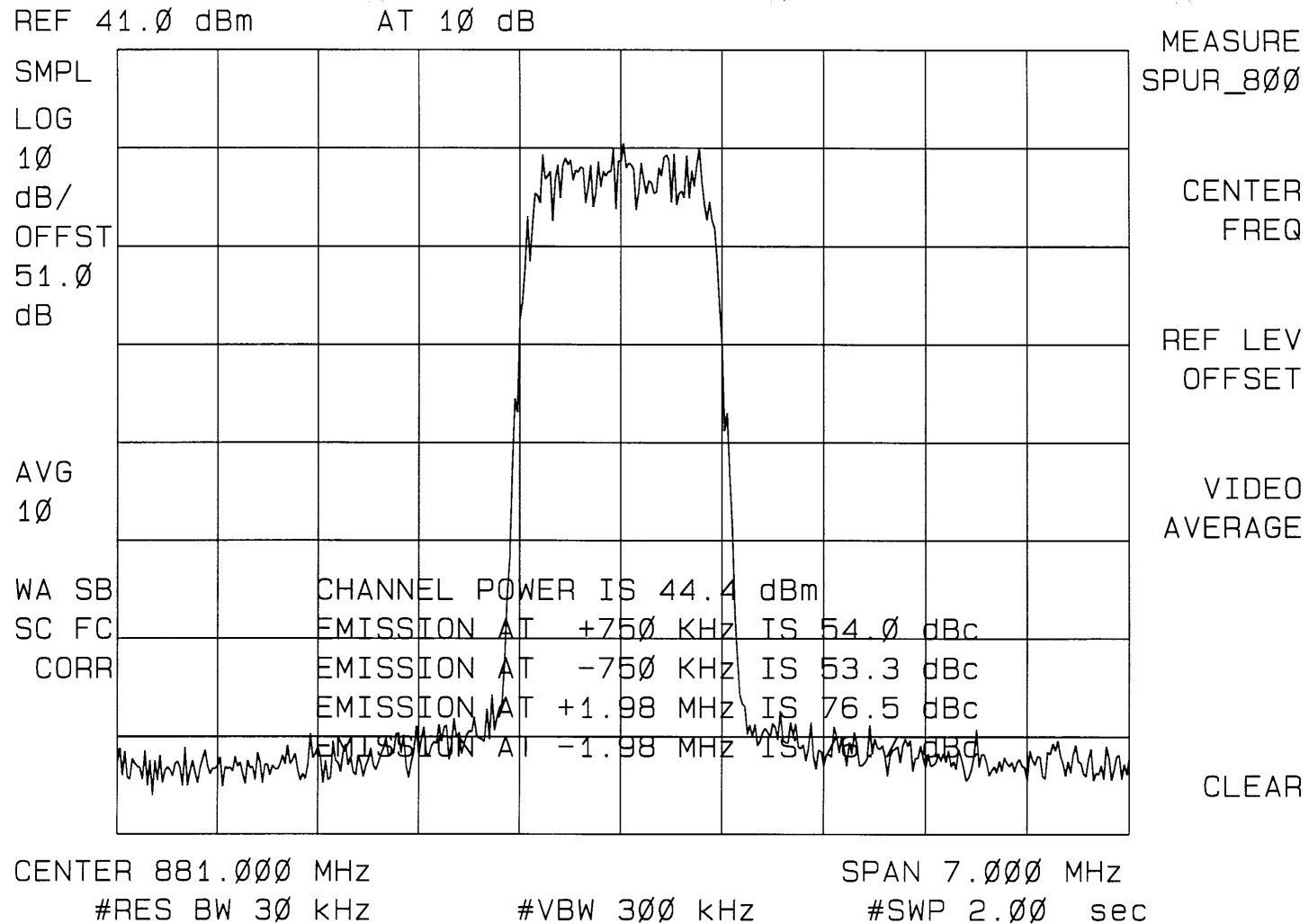


Figure 6