

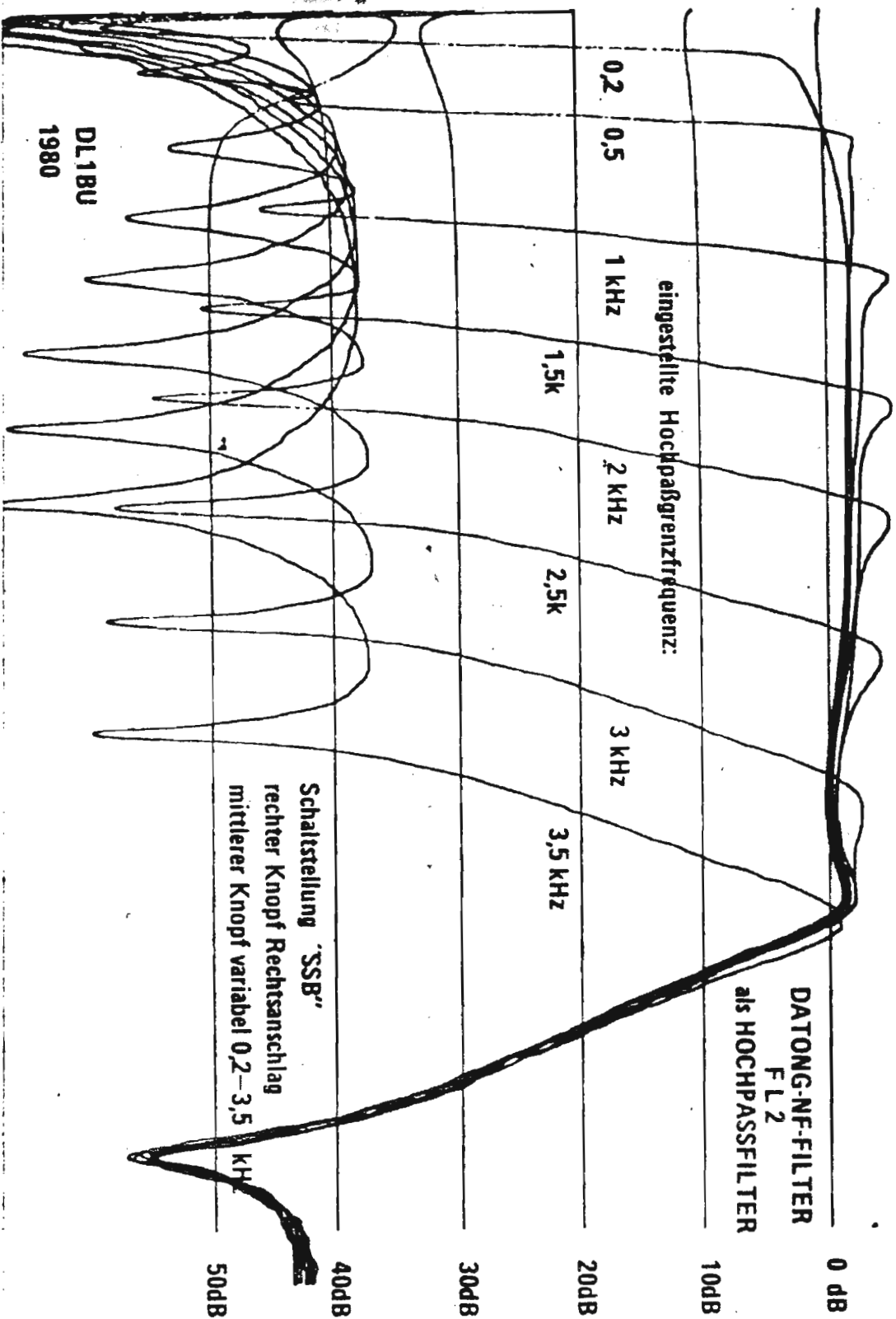
## FL2 TEST PROCEDURE

### EQUIPMENT REQUIRED

1. Audio oscillator
2. Multivolt meter
3. 'Scope
4. 8 ohm load (5W)
5. Power supply 12 v at 500 mA
6. Power lead, power supply to 3.5 mm jack plug.
7. Signal lead, signal source to phono plug
8. Output lead, from load resistor to:
  - a) FL2 terminated in phono plug
  - b) FL2 terminated in  $\frac{1}{4}$ " jack plug
  - c) 'Scope terminated in BNC plug
  - d) Multivolt meter terminated to suit millivolt meter
9. Tape output lead, BNC to phono plug

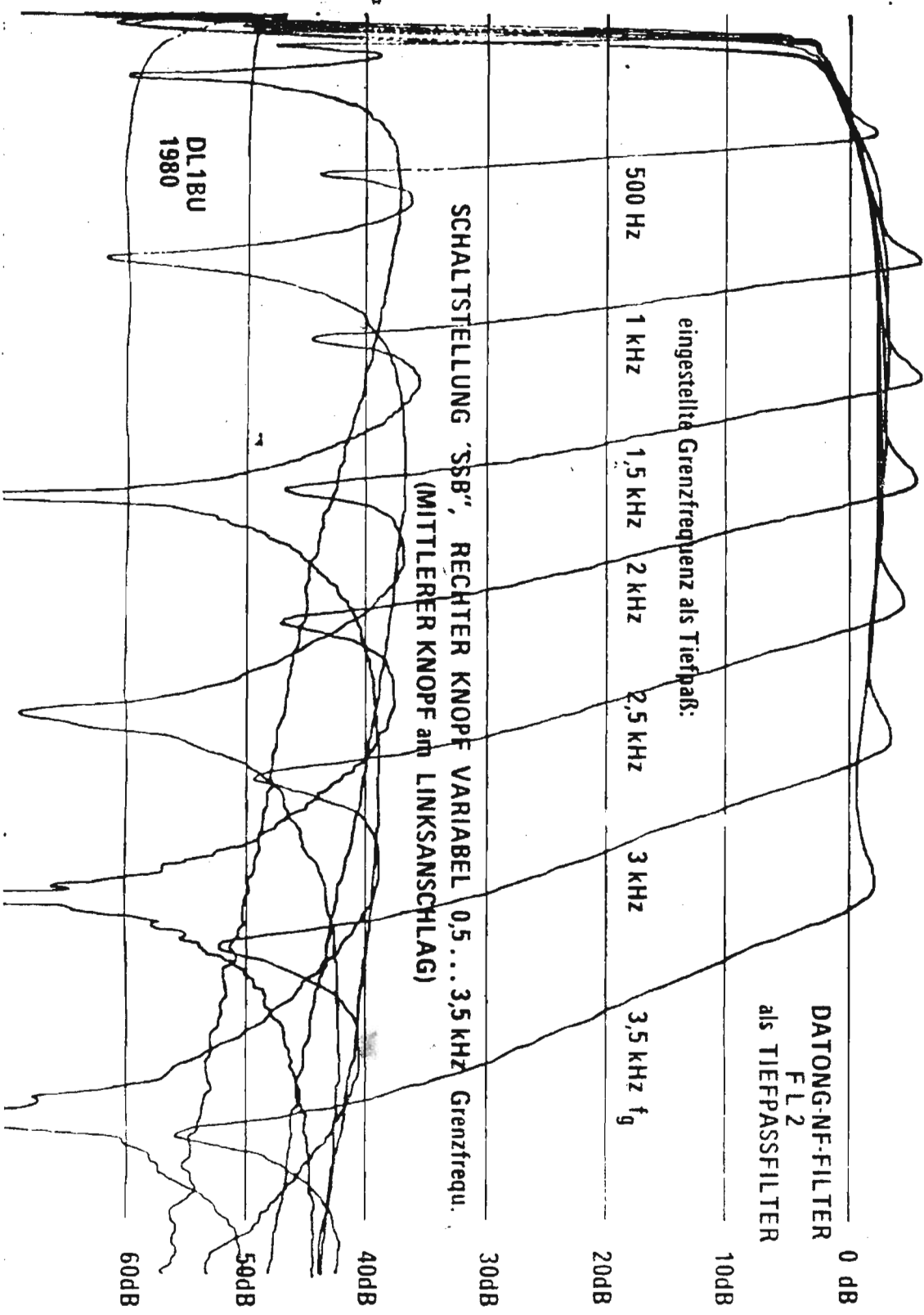
### METHOD

1. Connect all leads to unit under test
2. Carry out a mechanical check on all switches and controls.
3. Switch unit on in "out" position. With 12 v current should be approximately 50 mA with no signal output.
4. Check internal buffered supply to op amps with 12 v in, 7.5 v buffered. Check half supply ref point, pin one IC one, 3.75 v.
5. Inject a 200 Hz signal, with CW position selected, bandwidth and position controls at min (fully anticlockwise) adjust R80 for maximum output.
6. With 1 kHz input, check that the audio stage clipping level is reasonably symmetrical and the output is free from visible distortion.
7. Adjust input level to 1.5 VRMS. Output level should be within  $\pm 3$  dB. With this level input, the output should not clip with any settings of the controls.
8. Using graphs on the following pages check the frequency response at the indicated frequencies and functions.
9. All controls should give a smooth action without interaction.



0 Hz    Frequ.    1000 Hz    2000 Hz    3000 Hz    4000 Hz    5000 Hz

0 dB  
10dB  
20dB  
30dB  
40dB  
50dB



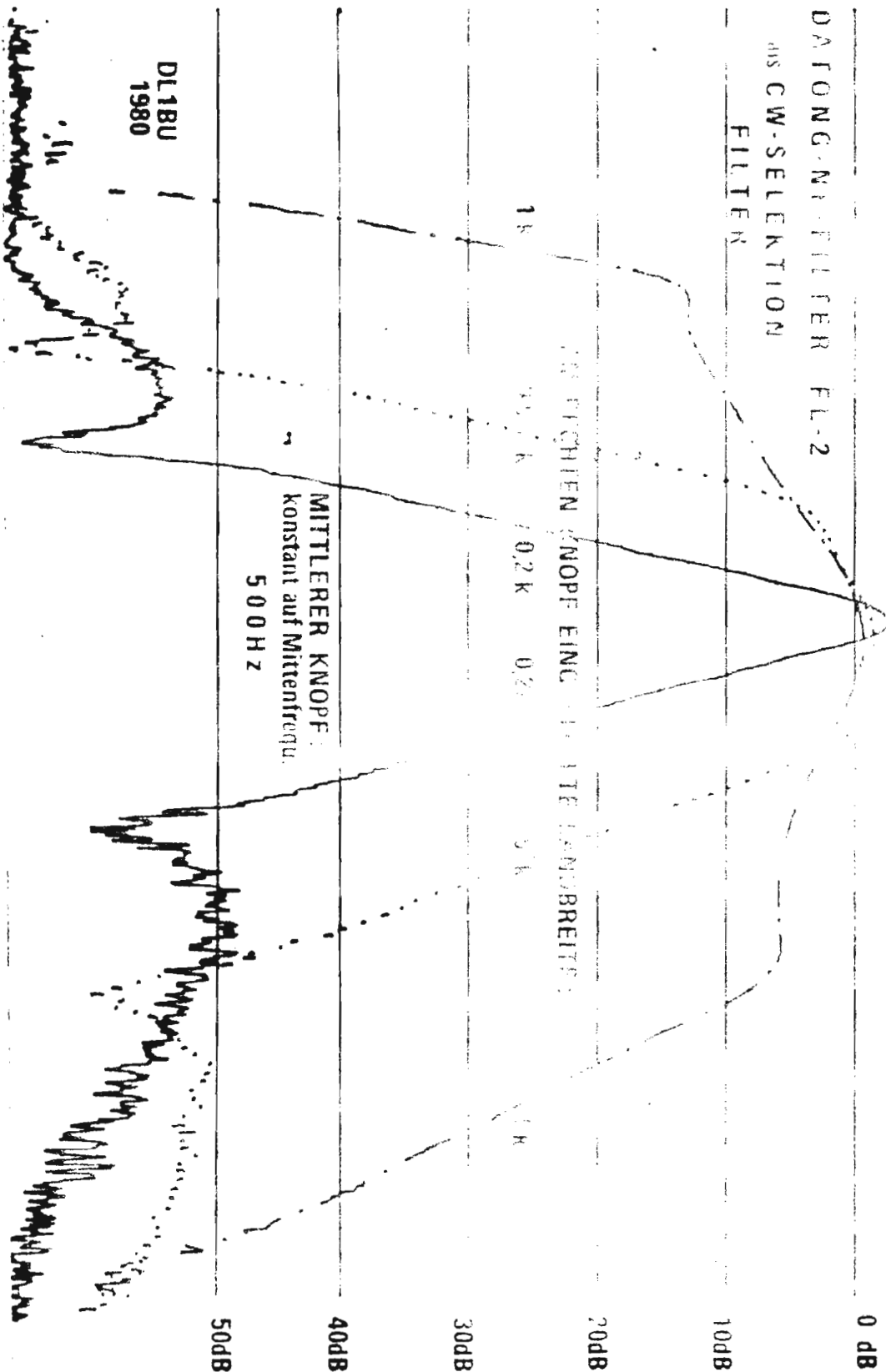
# DAFONG-M-FILTER FL-2 DAS CW-SELECTION FILTER

MITTLERER KNOPF EINGESTELLT AUF 1000 HZ

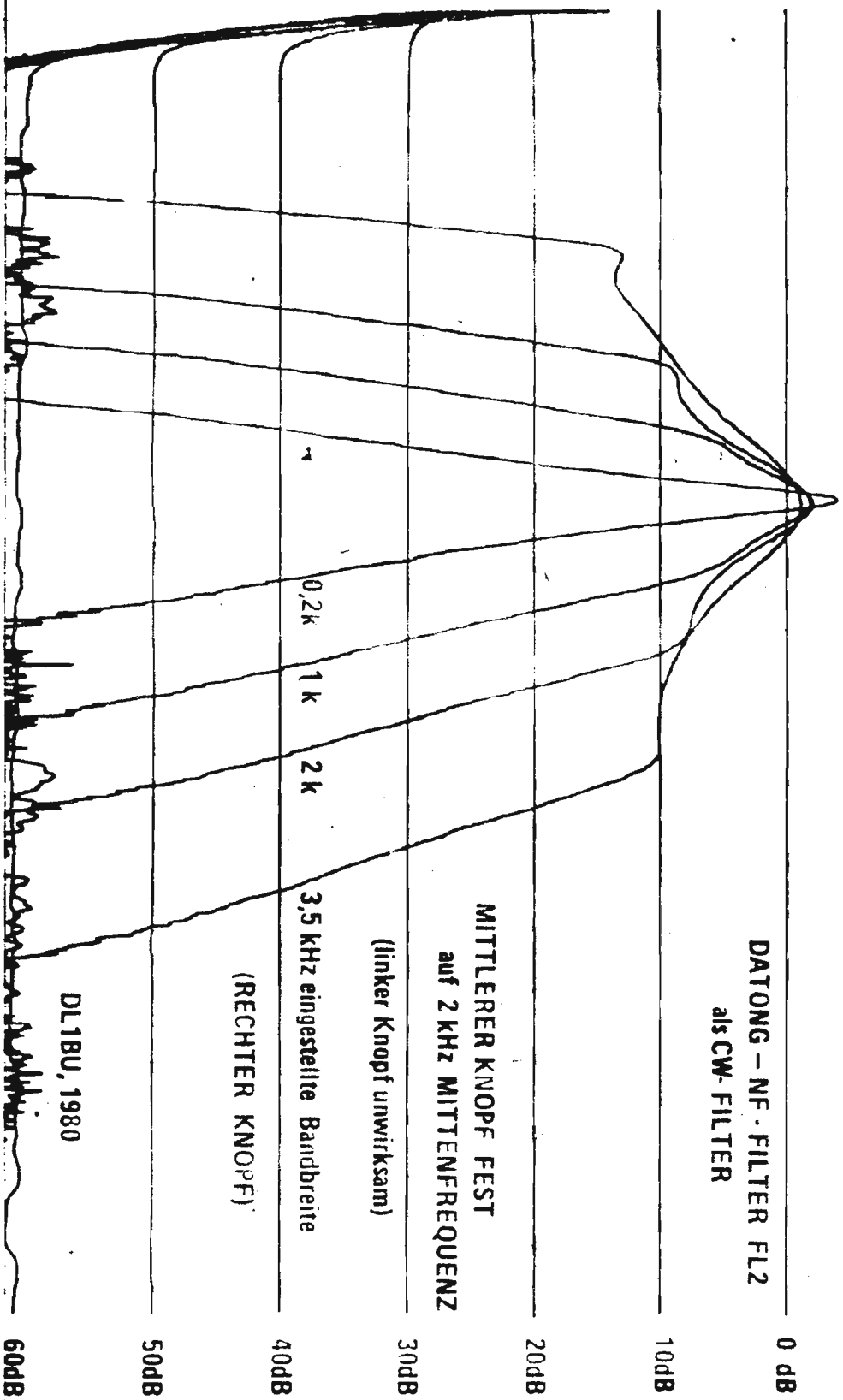
1 K 10 K 100 K 1 M 10 M 100 M 1 G

MITTLERER KNOPF  
konstant auf Mittenfrequenz  
500 HZ

DL1BU  
1980



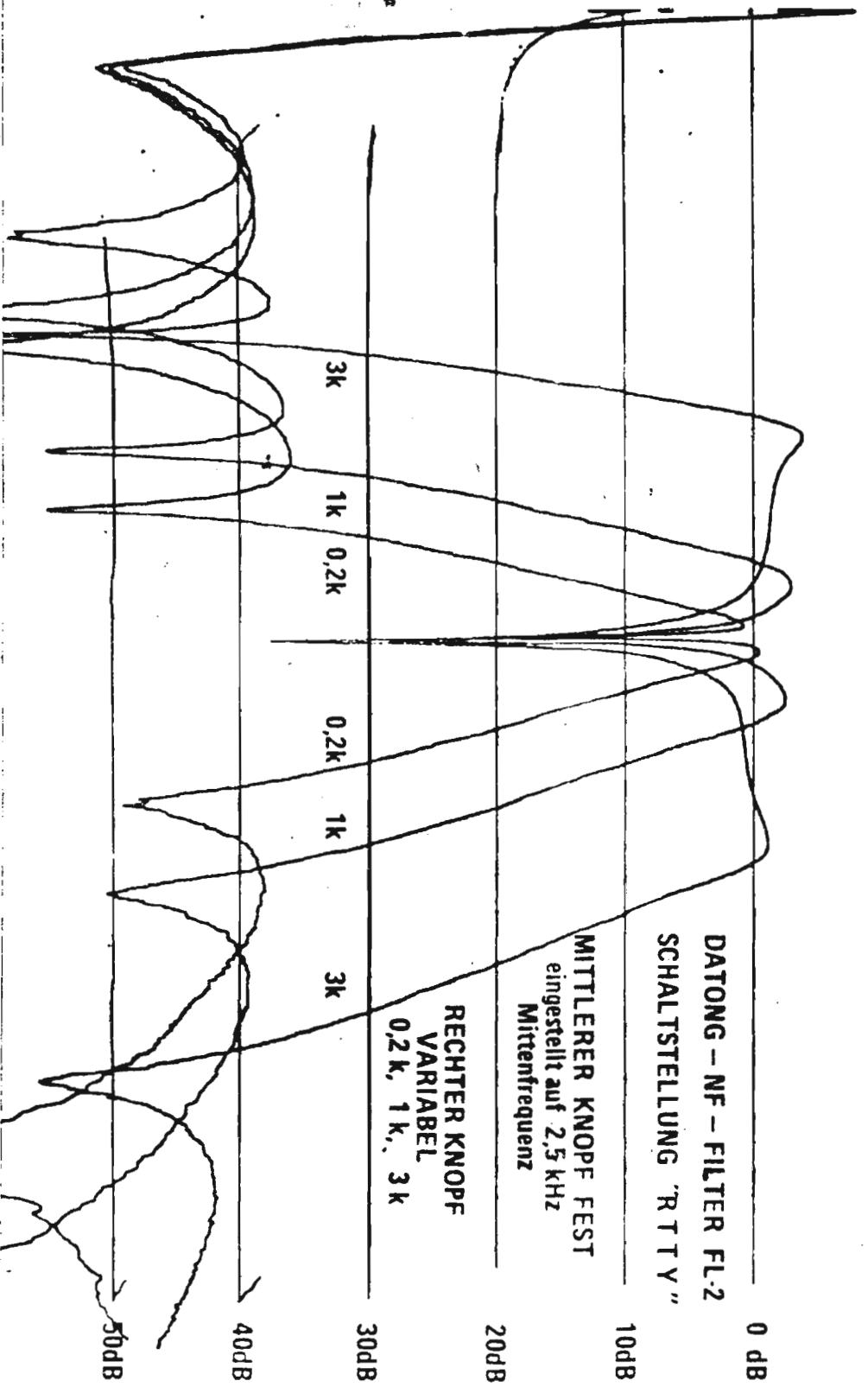
DATONG - NF - FILTER FL2  
als CW-FILTER



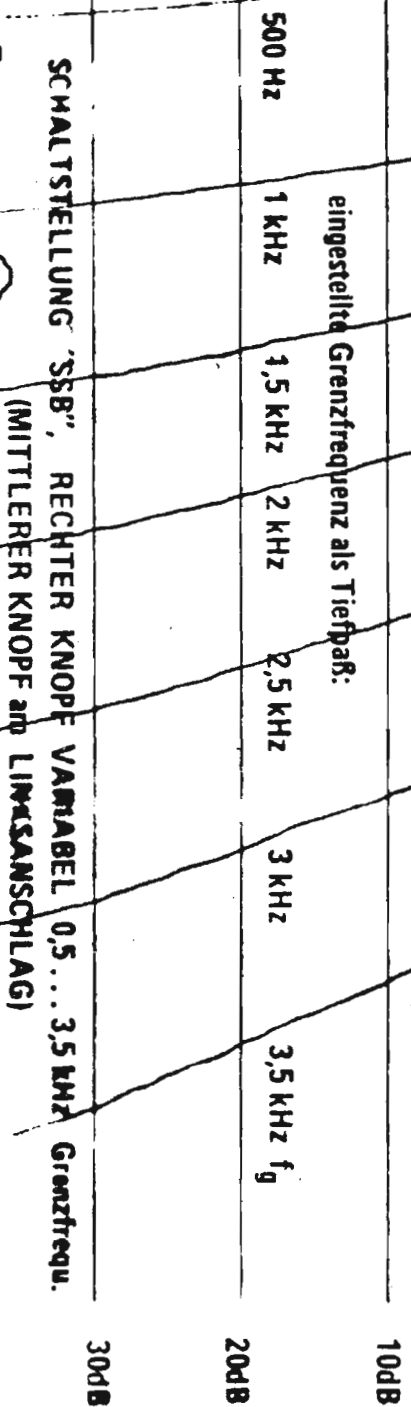
DATONG - NF - FILTER FL-2  
SCHALTSTELLUNG "RTTY"

MITTLERER KNOPF FEST  
eingestellt auf 2,5 kHz  
Mittelfrequenz

RECHTER KNOPF  
VARIABLE  
0,2k, 1k, 3k



DATONG-NF-FILTER  
FL2  
als TIEFPASSFILTER



SCHALTSTELLUNG "SSB", RECHTER KNOPE VARIABLEL 0,5...3,5 kHz Grenzfrequ.  
(MITTLERER KNOPE and LINKSANSCHLAG)

DL 1BU  
1989

50 dB  
40 dB  
30 dB  
20 dB  
10 dB  
0 dB