

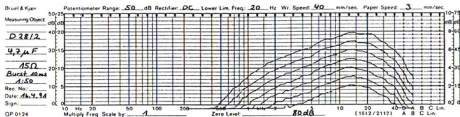
## MEANINGFUL RESULTS

The results are frequency response curves which show the frequency response at different power levels. As long as the driver does not produce any compression, the curves are similar and differ in the level only. Deviations from the given curve represent the dynamic limits of the driver and will eventually appear at very high power levels.

## OPTIMISATION OF THE DRIVERS

During the last years DYNAUDIO has constantly been optimising the dynamic response of our speaker drivers. The 28/2 soft dome tweeter is a useful example. The following measurement shows the frequency response at the following levels:

Power Level (Watts)	Voltage (Vrms)
3000	109
1000	63
300	34
100	20
30	11
10	6.3
3	3.4
1	2



## NO LIMITATION OF DYNAMICS

The above frequency response graph shows the bottom curve corresponding to a level of 1 Watt with the above curves corresponding to the listing printed above. This example illustrates that DYNAUDIO dome tweeters and midrange drivers in combination with any presently available amplifier do not suffer any dynamic limitations. But although it is true that such enormous reserves are rarely exploited fully, the guarantee of absolutely reliable operation under normal conditions is an important advantage. In Hi-Fi systems using Dynaudio speakers, any audible distortion are never produced by the drivers themselves. For this reason DYNAUDIO systems never have an aggressive or unpleasant sound even if operated at higher volume levels. If systems using DYNAUDIO speakers do produce audible distortions, you can be sure that these unpleasant sounds are generated earlier on in the audio chain.