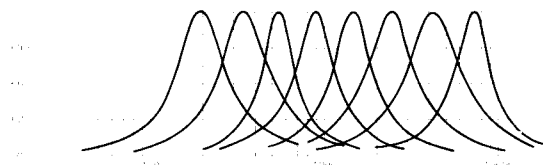


# THE 1540 FOUR BAND EQUALIZER

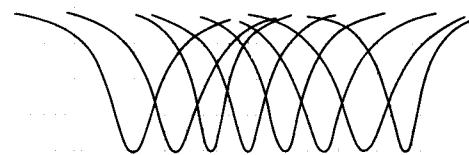
KHz) sections of the 1540 are shelving and exhibit the necessary smoothness required at the upper and lower ends of the audio spectrum. All 4 bands have 12 dB of symmetrical boost or cut in steps of 2, 4, 6, 9 and 12 dB. The Equalizer IN/OUT function is activated with a pushbutton. The associated LED indicator gives a visual display of the IN/OUT status of the module. All switching functions are noiseless. The input and output of the 1540 Equalizer module are transformer coupled (floating) and will accept levels up to +24 dBv.

Input Impedance:	10 Kilohms floating
Maximum Input Level:	+ 24 dBv
Gain:	Unity $\pm 1$ dB
Load Impedance:	600 ohm floating output
Maximum Output Level:	+ 24 dBv
Distortion:	< .1% at 1KHz < .15% from 100Hz - 20KHz < .3% from 30Hz - 100Hz
Frequency Response:	Flat $\pm 5$ dB controls flat
Noise:	< -88 dBv absolute over 20Hz - 20KHz bandwidth
Power Requirements:	Audio $\pm 20$ V DC 100 Ma Logic +20-24V DC 30 Ma

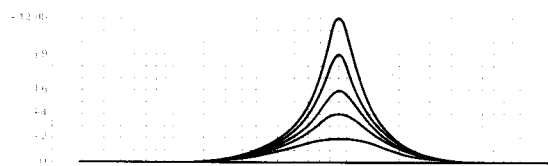
# ADM MODEL 1540 EQUALIZER CHARACTERISTICS



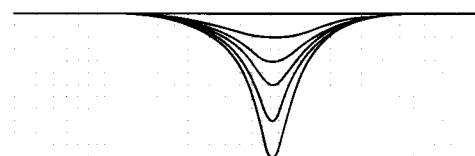
Mid-Frequency Equalizers—Maximum Boost



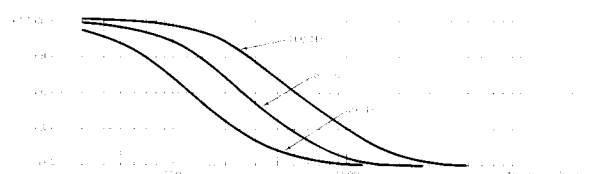
Mid-Frequency Equalizers—Maximum Cut



900 Hz Boost—Typical of Other Frequencies



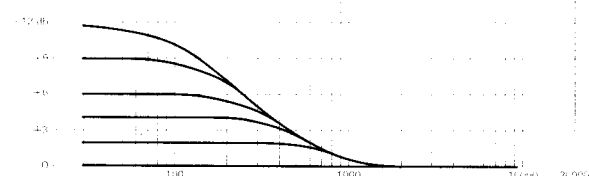
900 Hz Cut—Typical of Other Frequencies



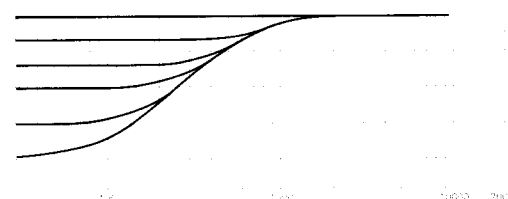
Low-Frequency Equalizers—Maximum Boost



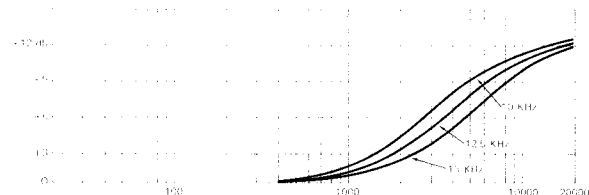
Low-Frequency Equalizers—Maximum Cut



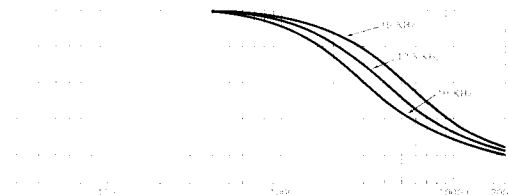
80 Hz Boost—Typical of Other Frequencies



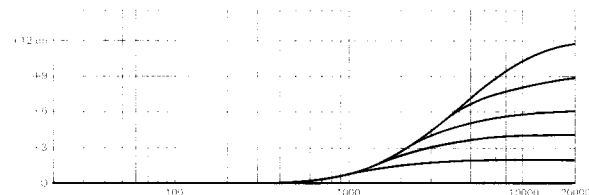
80 Hz Cut—Typical of Other Frequencies



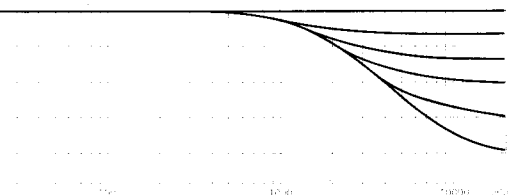
High Frequency Equalizers—Maximum Boost



High Frequency Equalizers—Maximum Cut



12.5 KHz Boost—Typical of Other Frequencies



12.5 KHz Cut—Typical of Other Frequencies

H.F. EQUALIZER FREQUENCIES: 10, 12.5, 15 KHz  $\pm 2, 4, 6, 9, 12$  db

L.M.F. EQUALIZER FREQUENCIES: 200, 350, 560, 900 Hz  $\pm 2, 4, 6, 9, 12$  db

H.M.F. EQUALIZER FREQUENCIES: 1.5, 2.5, 4.3, 7.2 KHz  $\pm 2, 4, 6, 9, 12$  db

L.F. EQUALIZER FREQUENCIES: 40, 80, 160 Hz  $\pm 2, 4, 6, 9, 12$  db

**ADM**<sup>®</sup>  
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