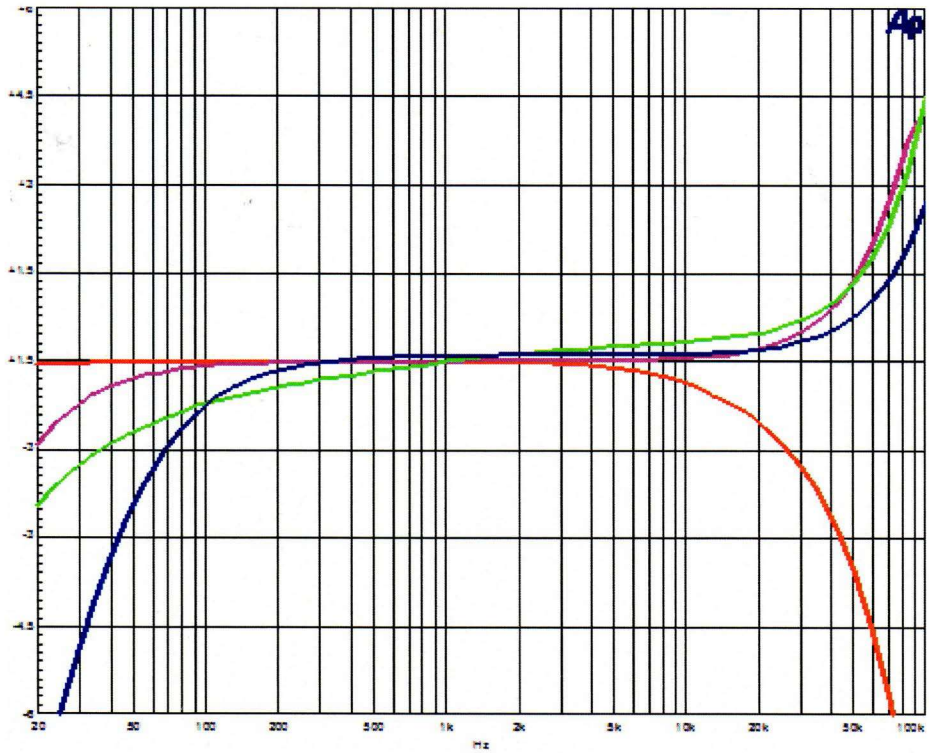


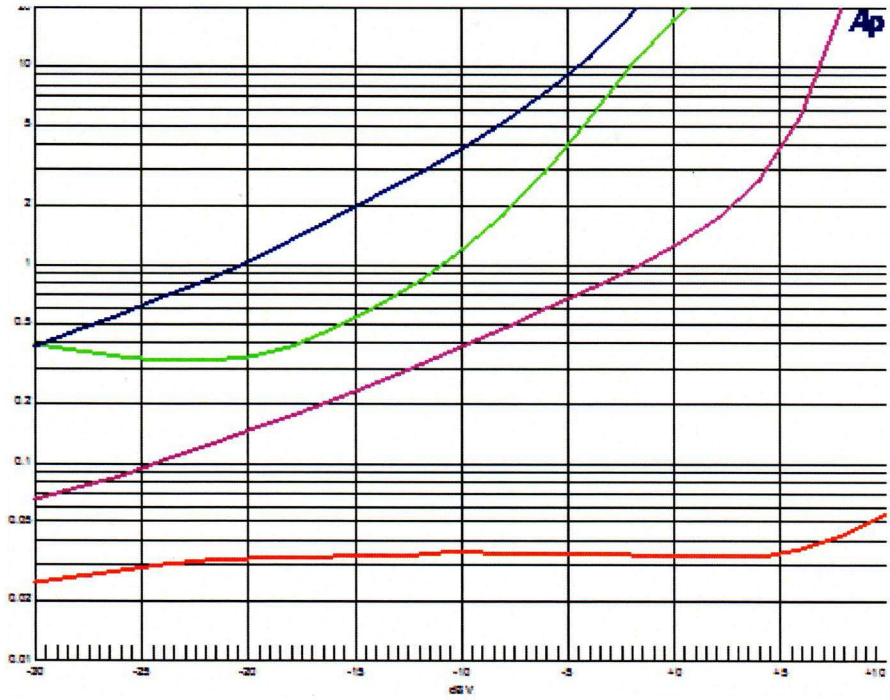
Frequency Response

Note the low-frequency roll-off in all competing units. The accompanying phase distortion will muddy the sound of kick drums and other bass instruments.

Also note the strong ultrasonic resonance in all competing units. While this lifts 20 kHz response a bit, it greatly boosts DAC sampling residue from digital signal sources. Jensen purposely designs-in a gentle (Bessel LPF) roll-off that preserves waveform fidelity for improved transient response and imaging.

For both tests: R source = 600 Q, R load = 22 kQ, and 50-foot CAT-5 UTP cable connects TX and RX units.

Color Code: **Jensen iSO-MAX model CI-RJ2R**
**Muxlab model 500033**
**Intelix model AVO-A2-F**
**Niles model C5-A2**



THD at 30 Hz versus Signal Level

Note that consumer reference level is -10 dBV (316 mV rms).

Allowing 16 dB of "headroom" for signal peaks means the signal chain should pass levels of +6 dBV (2 V rms) with low EE distortion (THD). Most energy in real music is concentrated in the lowest two octaves of the audio spectrum (20 to 80 Hz). Since passing high-level, low-EE frequency signals is a challenge for audio transformers, 30 Hz is a very appropriate test frequency.