



CMO-60/600

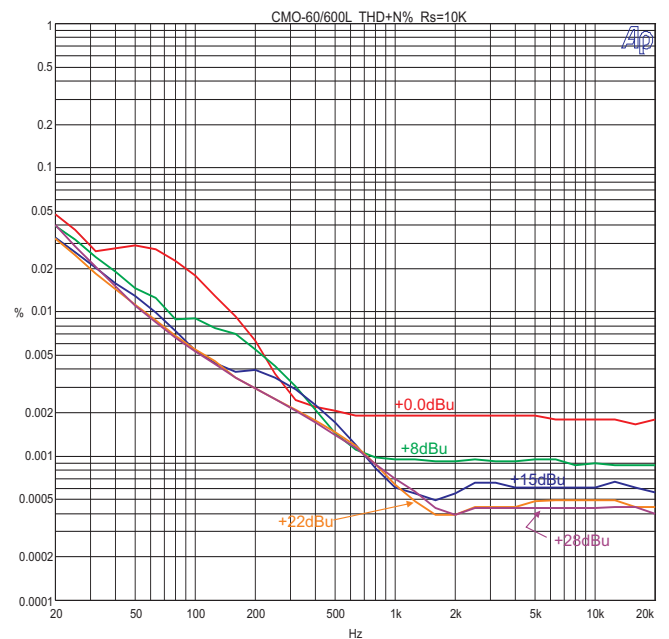
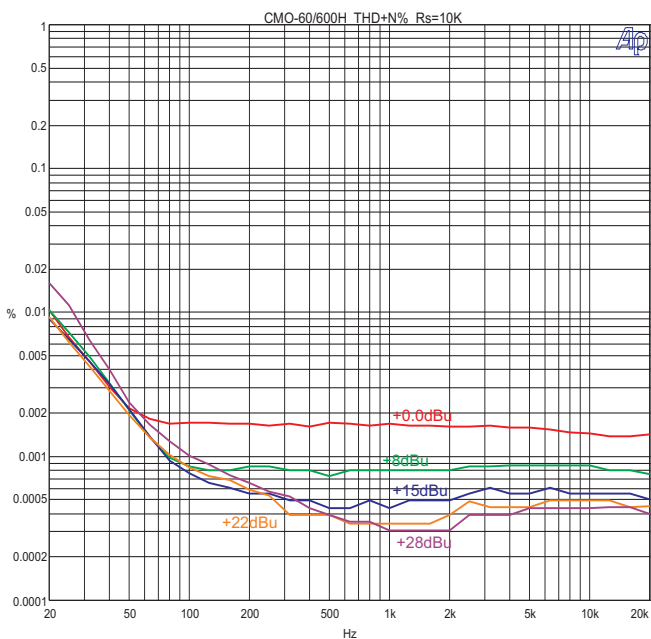
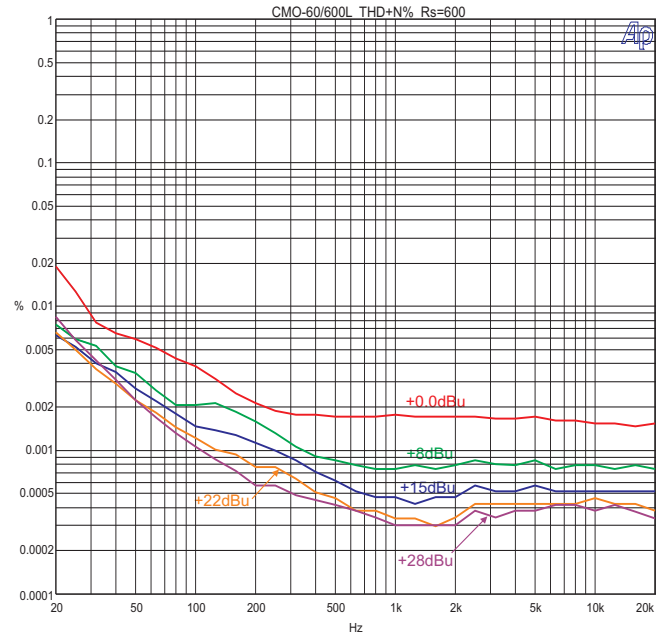
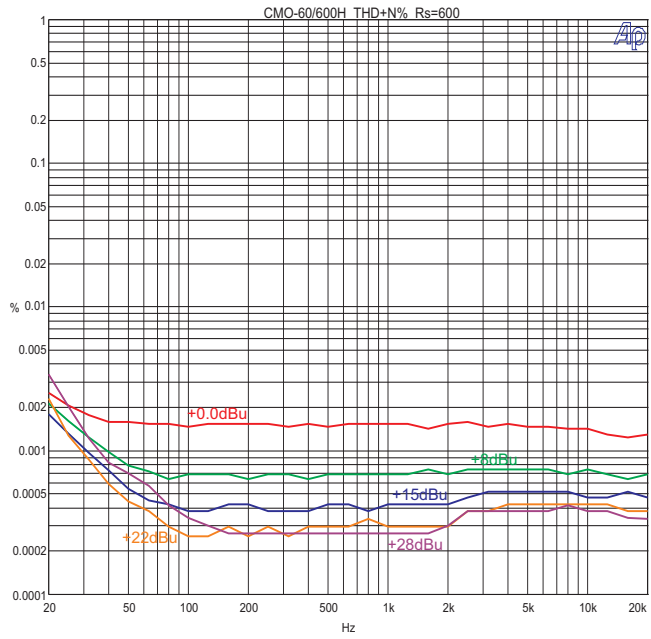
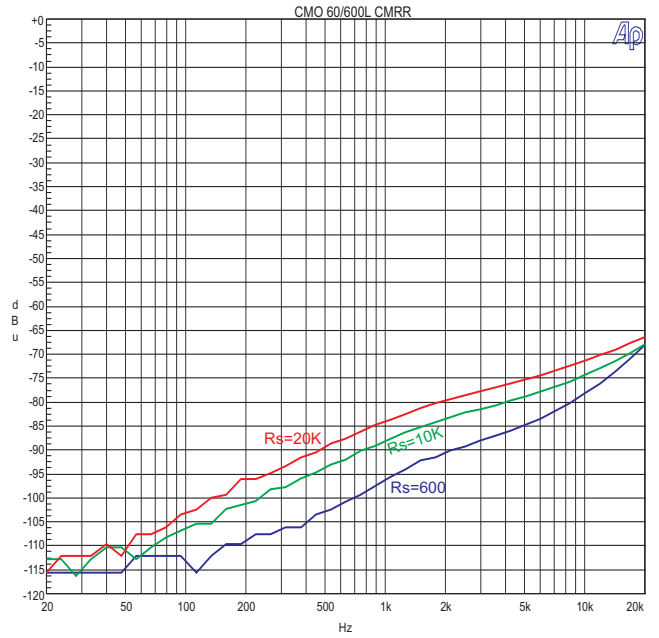
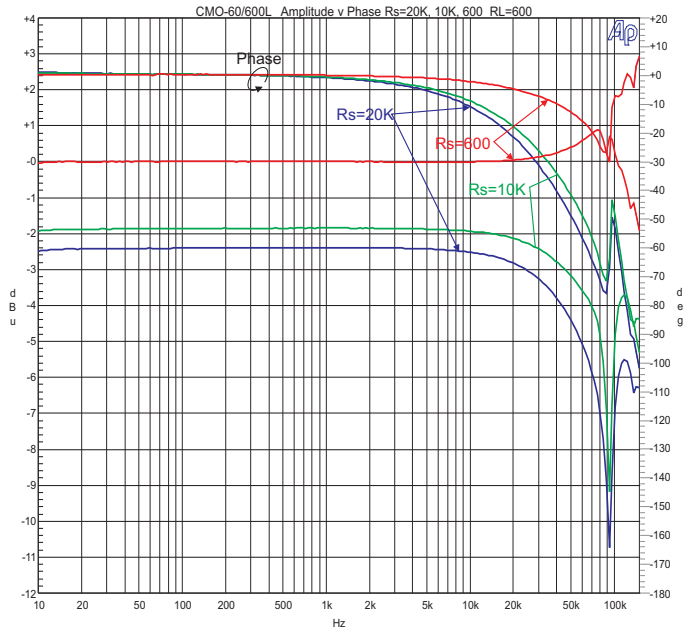
TUBE OUTPUT TRANSFORMER 10 : 1 Step-down turns ratio

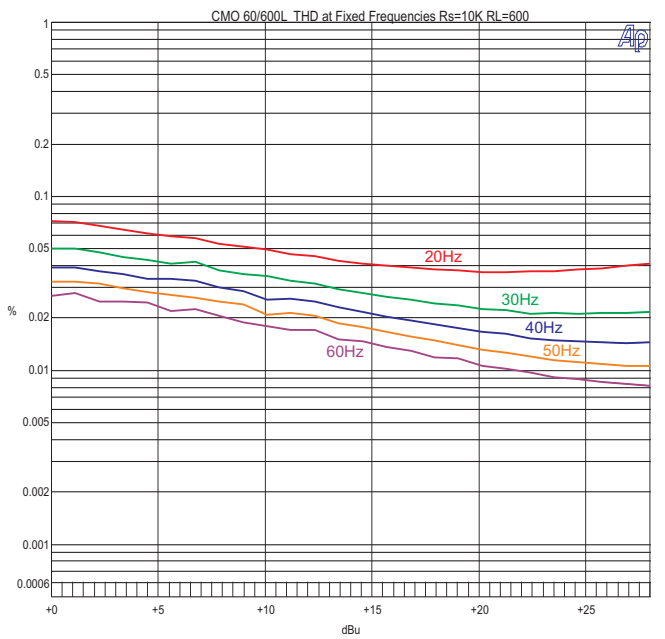
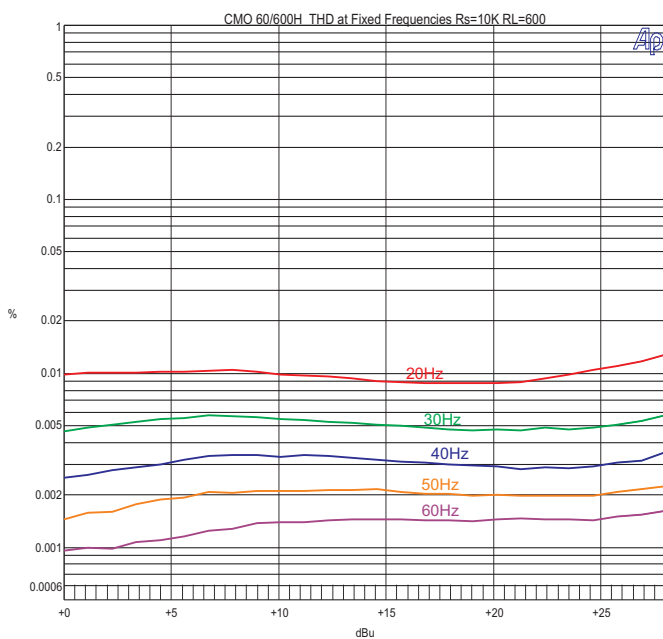
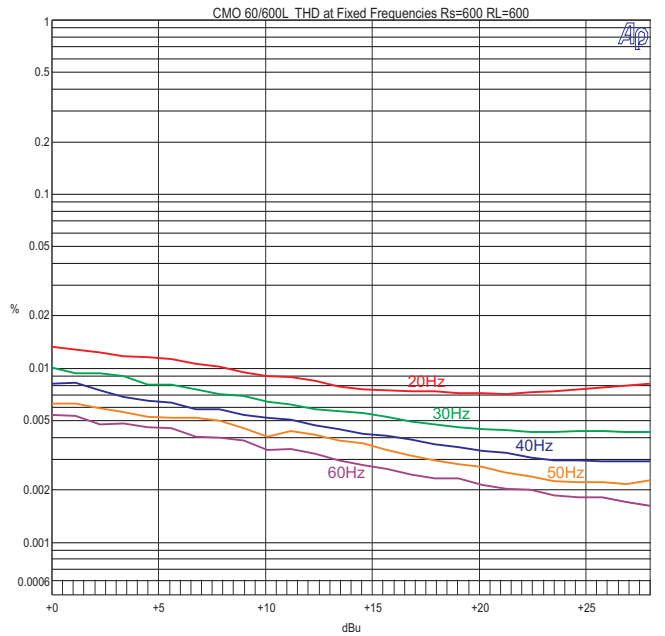
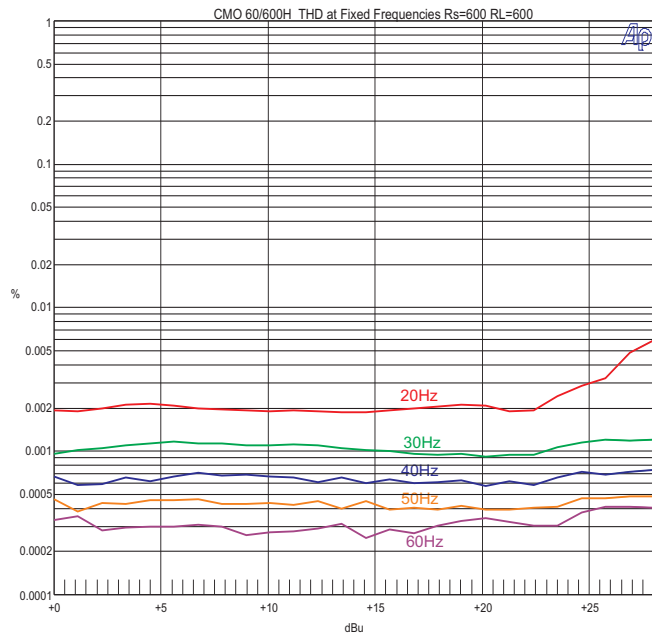
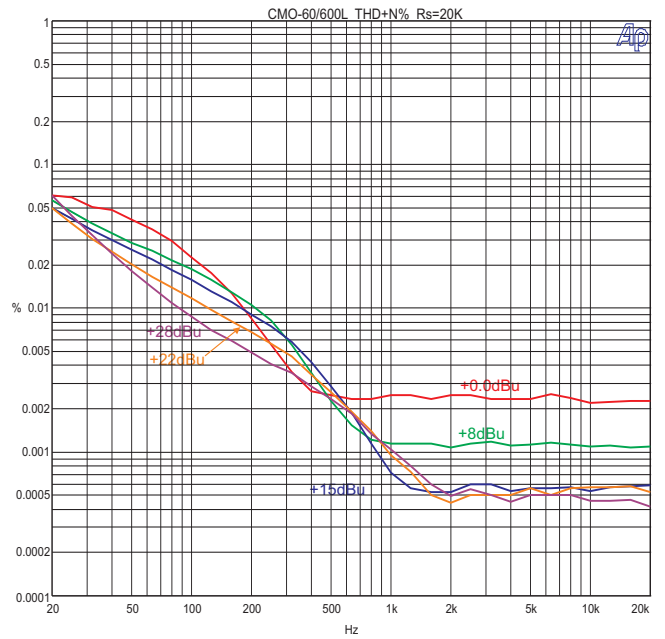
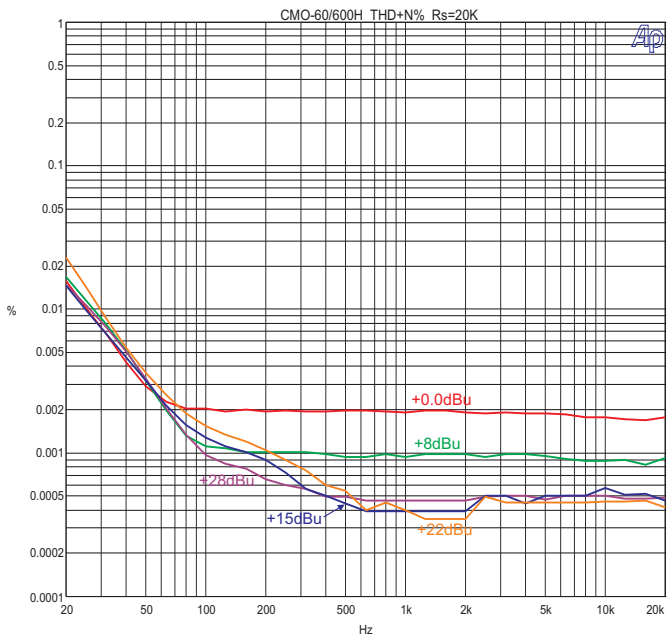
- Excellent bandwidth even with high Z source
-0.5 dBu at 20 kHz Rs=20K
- High Nickel ("H") core or 50% Nickel + 50% steel core ("L")
- Distortion ("H") core: 0.003% at 20 Hz +28 dB in Rs=600Ω
- 0.02% at 20Hz +28dB in Rs=20K
- Phase Shift: -31° at 20 kHz Rs=20K
- -4° at 20kHz Rs=600

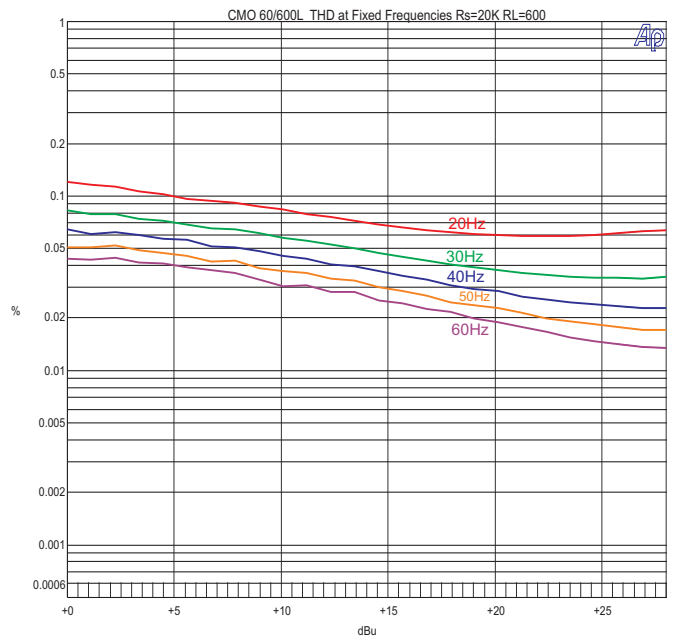
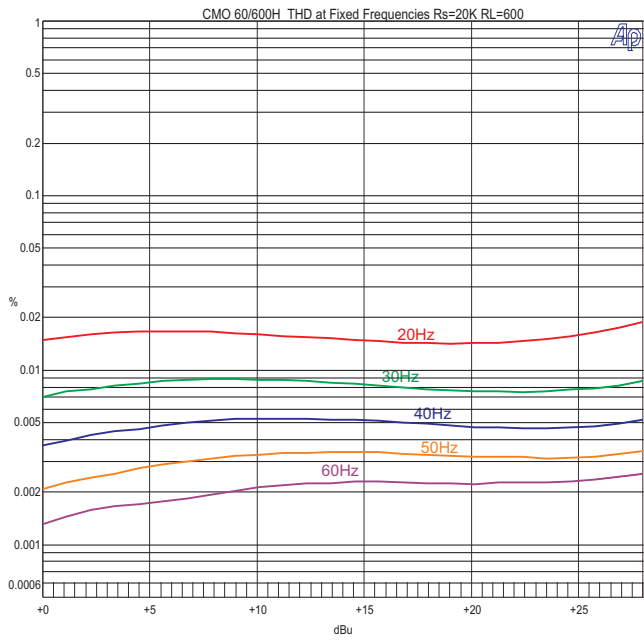
The CineMag CMO-60/600 tube output transformer is designed for either capacitor coupled or balanced bridging output stages. It performs very well being driven from both very low and high source impedances. It is available both with 80% Nickel ("HiNi") and 50% Nickel/50% Steel laminations. As with all vacuum tube driven transformers, the amplifier feeding it should be capable of cleanly delivering the power required to reach maximum operating level.

CMO-60/600H & CMO-60/600L

Parameter	Conditions	Typ
Turns Ratio		10 : 1
Voltage Gain	1 kHz Rs=600Ω	-20.52 dB
Distortion (THD+N%) CMO-60/600H	1 kHz, +28 dBu input, Rs=600Ω Test Circuit 1 1 kHz, +21 dBu input, Rs=50Ω	≤ 0.0005% 0.0003 %
20 Hz Input Level CMO-60/600H	THD+N%, Rs=600Ω Input=+28dBu Test Circuit 1 THD+N%, Rs=20K Input=+28dBu	0.005% THD+N 0.02% THD+N
Response, ref 1 kHz	20 Hz Rs=10K Test Circuit 1 20 kHz Rs=10K Test Circuit 1 60 kHz Rs=10K Test Circuit 1	-0.1 dB -0.3 dB -3.4 dB
Phase Shift at 20Hz Phase Shift at 20 kHz	Referenced to source generator Rs=20K Test Circuit 1	-1° -22°
CMRR Rs=20K	60 Hz Test Circuit 2 per IEEE Std 389-1996 ¶19 1 kHz Test Circuit 2 per IEEE Std 389-1996 ¶19	107 dB 84 dB
Max Operating Voltage		270 V
Operating Temp Range	Operation and storage	0° C Min 70° C Max







NOTES:

1. All graphs generated from one (1) randomly selected device. No statistical averaging or weighting. Data from one sweep.

