

ISB Rev01 Test Results

Equipment: Audio Precision SYS-2722 System Two Cascade Plus Dual Domain

Power Supply: LPS9

System under test:

- ISB Rev01
- VCM Rev02
- MCL Rev03 (Balanced Control)
- PBA OPA2604 Buffer – single ended output
- BOB Rev 01 – Balanced Output

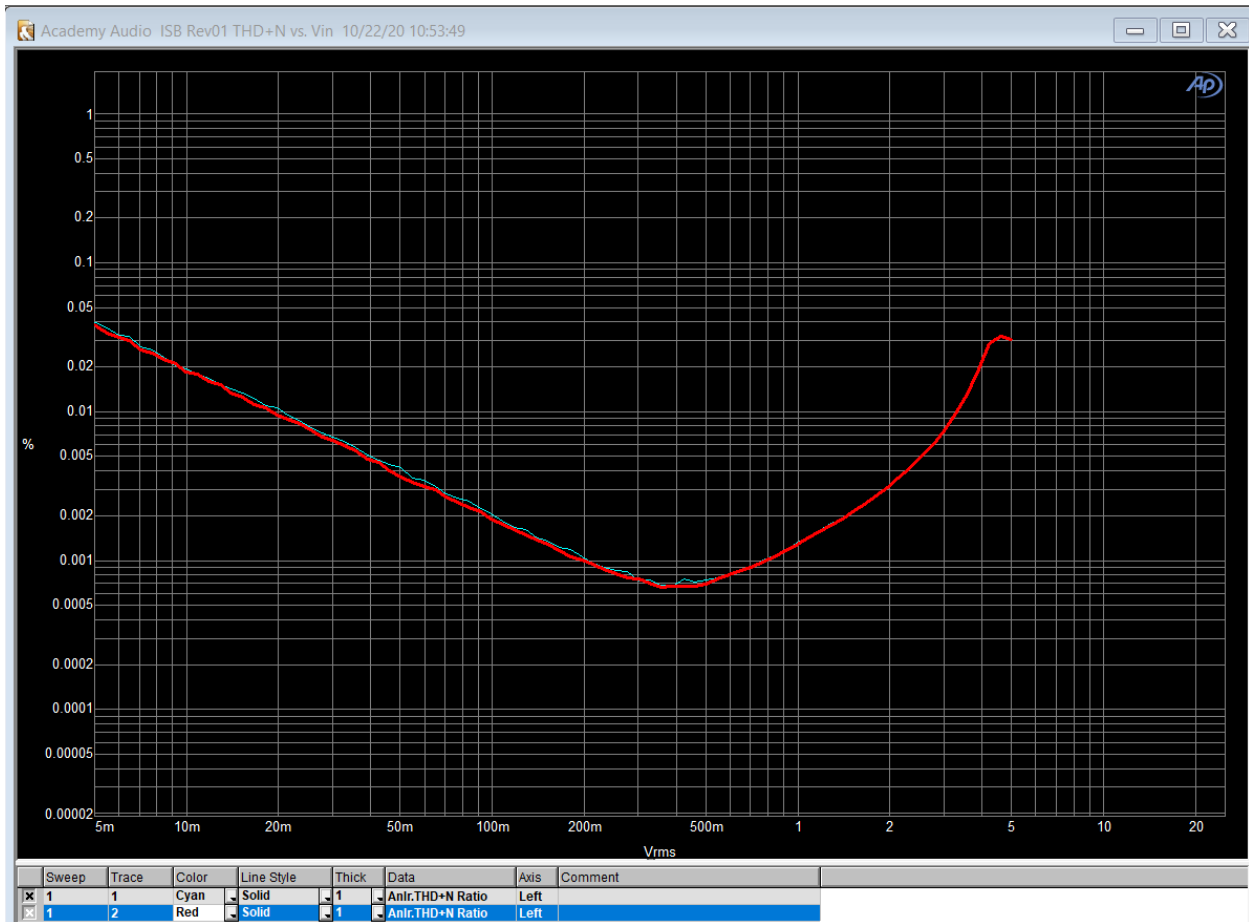


Figure 1. THD+N vs. Vin

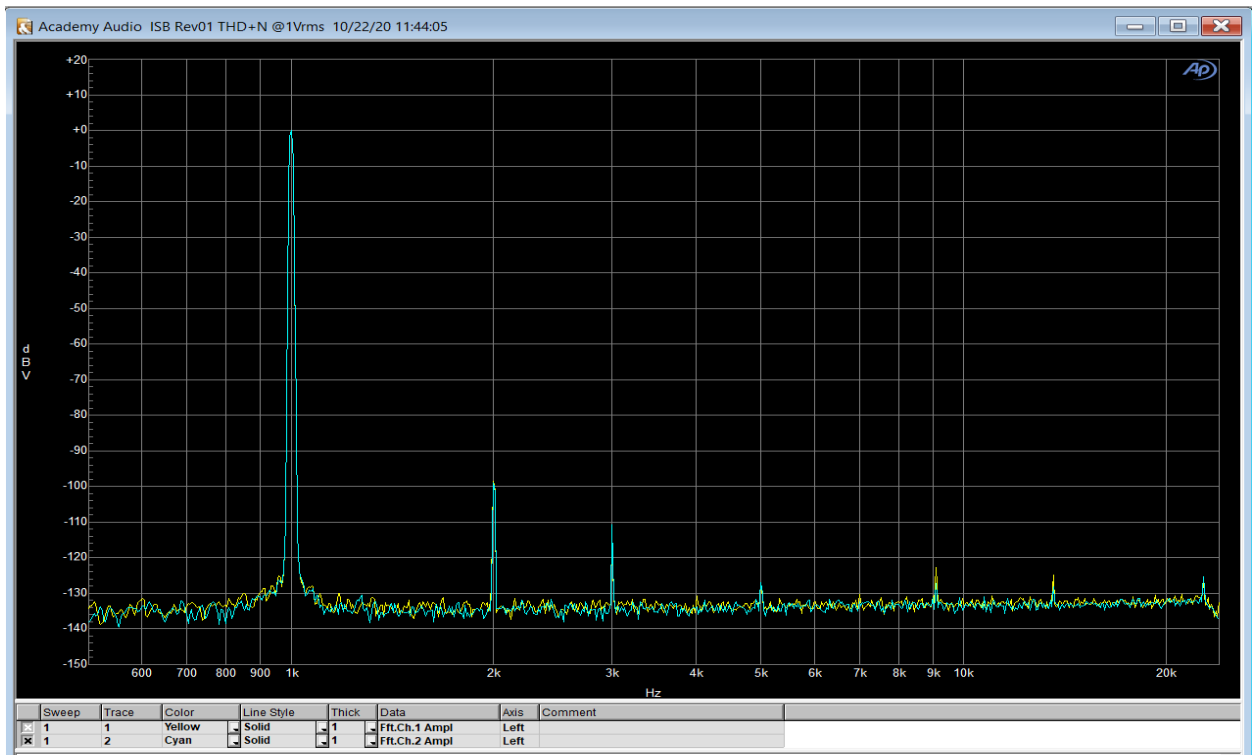


Figure 2. THD+N Spectrum.

The THD spectrum is dominated by a benign second harmonic.

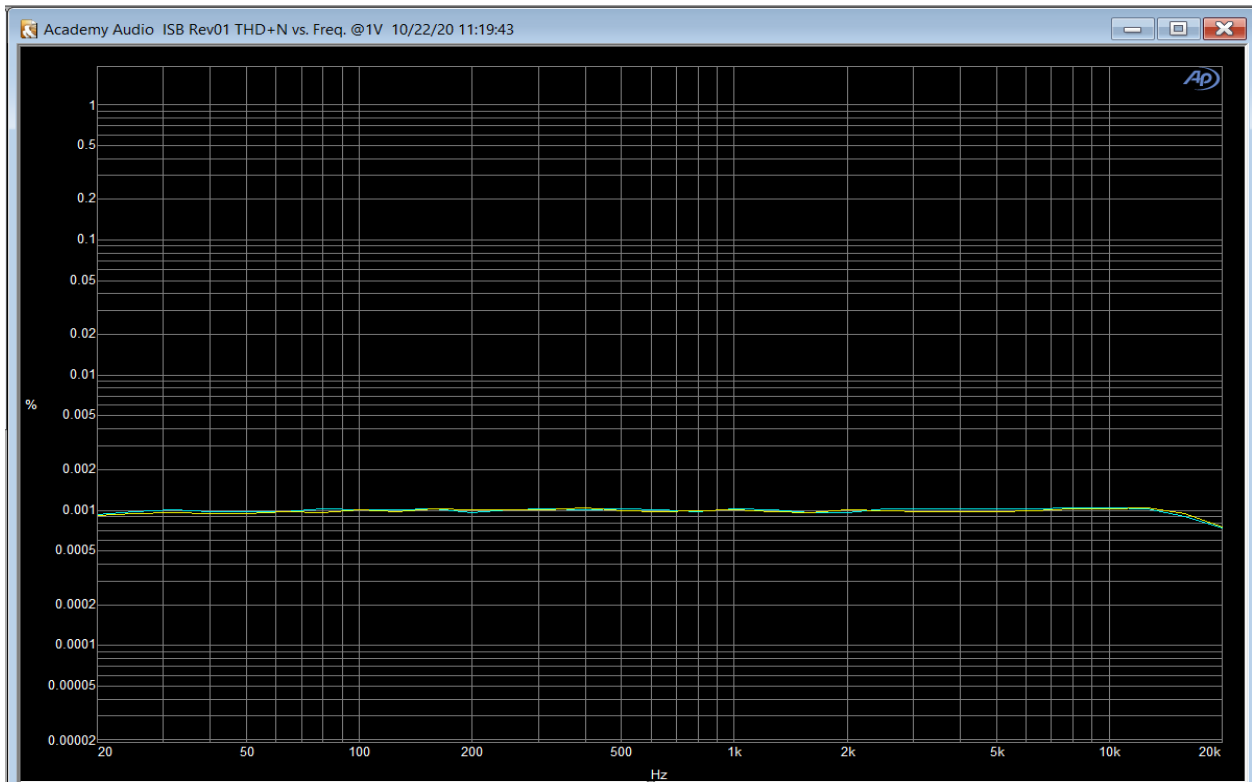


Figure 3. THD+N vs Frequency @1Vrms.

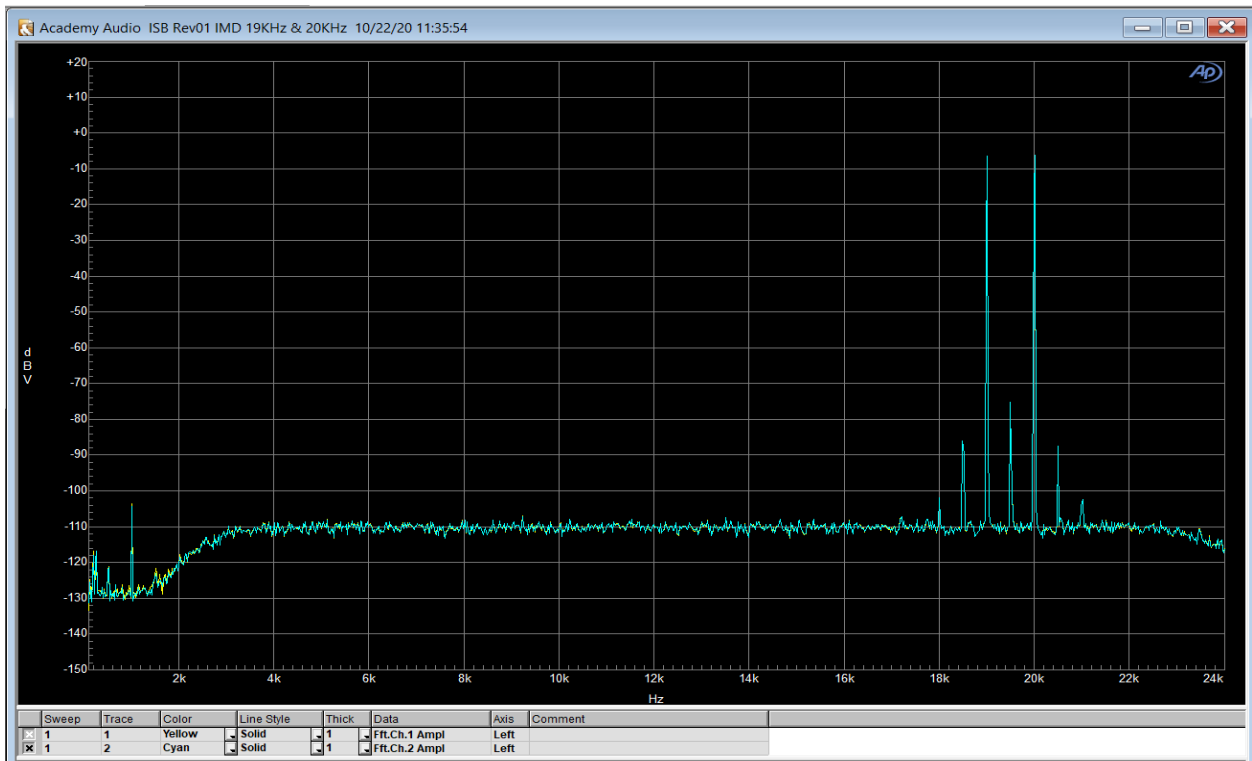


Figure 4. IMD 19KHz and 20kHz spectrum.

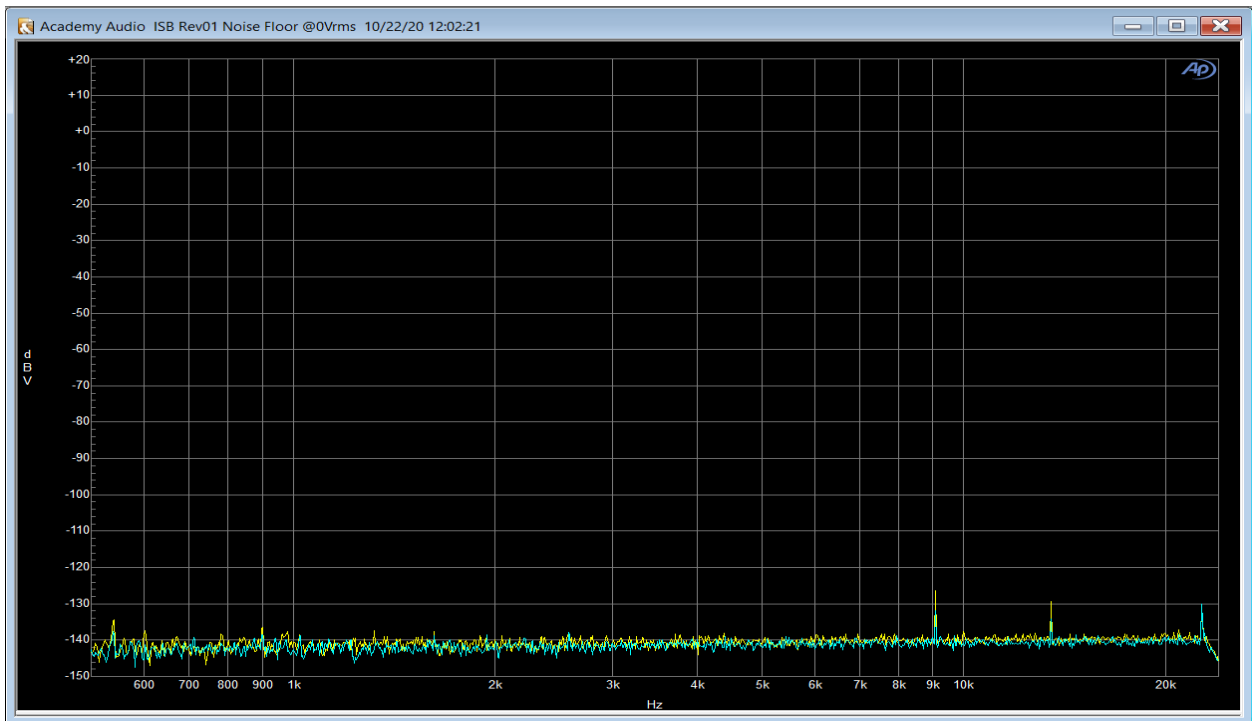


Figure 5. Noise Floor Spectrum with LPS9 Power Supply.
Noise Level = -109dBV (3.6uV)