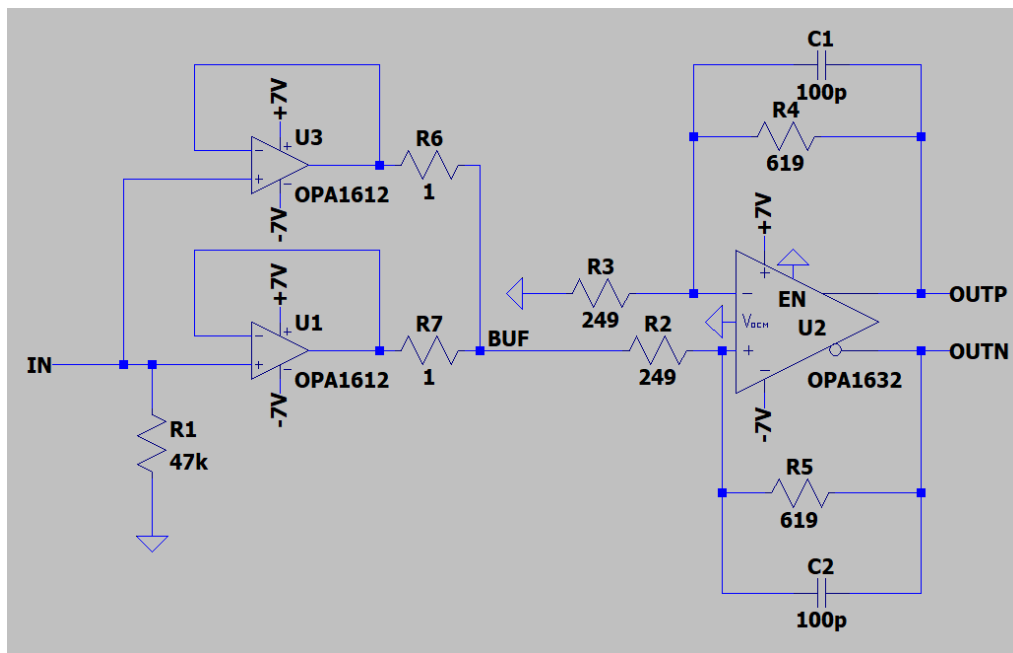


RCA to XLR Module/Converter Specifications and Test Results

Specifications:

- **Gain:** 8dB
- **Input Impedance:** 47k Ω
- **Output Impedance:** 100 Ω
- **Input Voltage:** 9V +/-5%
- **Input Power Connector:** Barrel Plug, 2.1mm I.D. x 5.5mm O.D. x 9.5mm
- **SNR:** 133dB A-weighted
- **Frequency Response:** DC – 80kHz+
- **SINAD (4V_{RMS}) Output at 1kHz:** 118dB

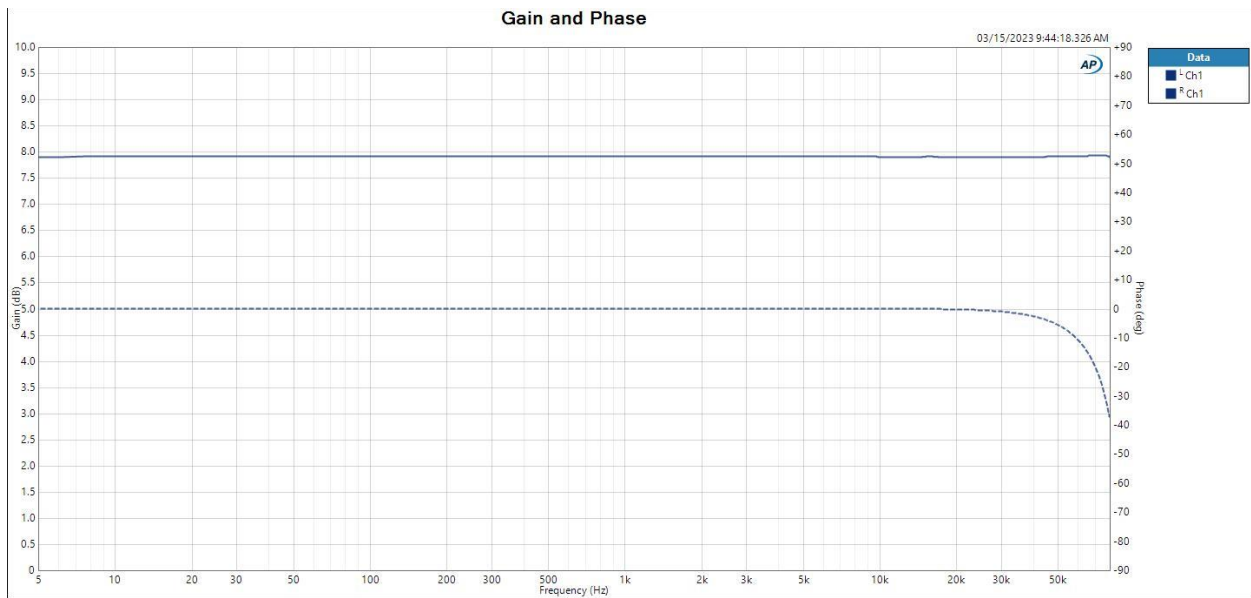
Implementation Circuit (per channel):



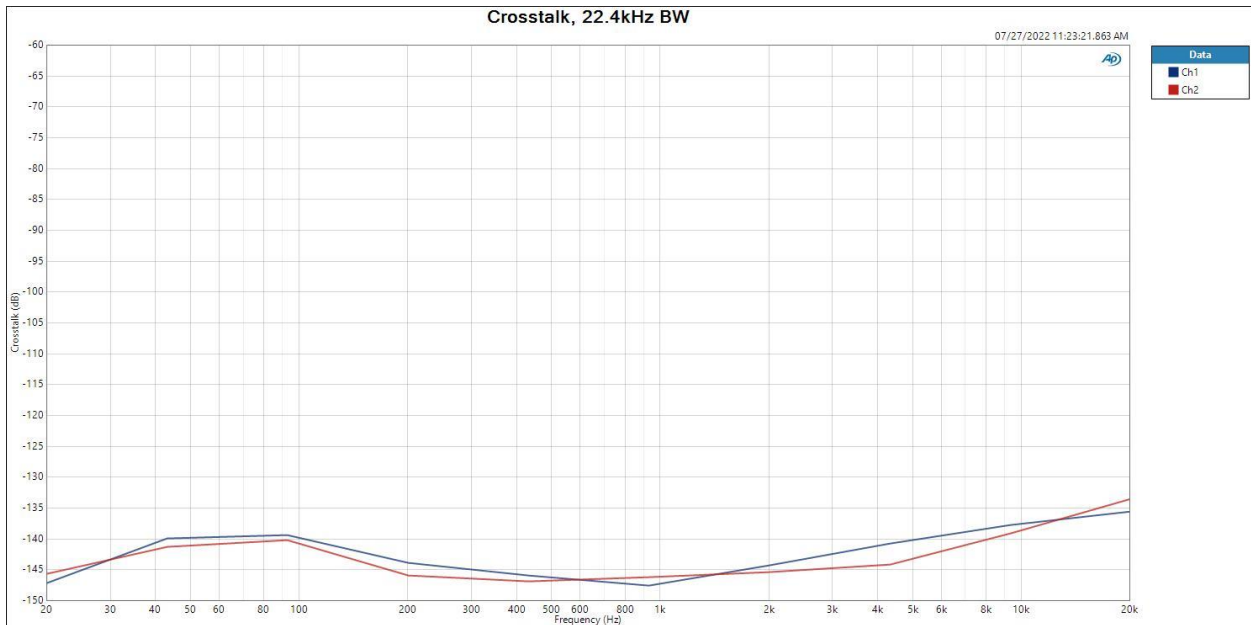
All resistors are 0.1% tolerance Panasonic low-noise type.

Test Results:

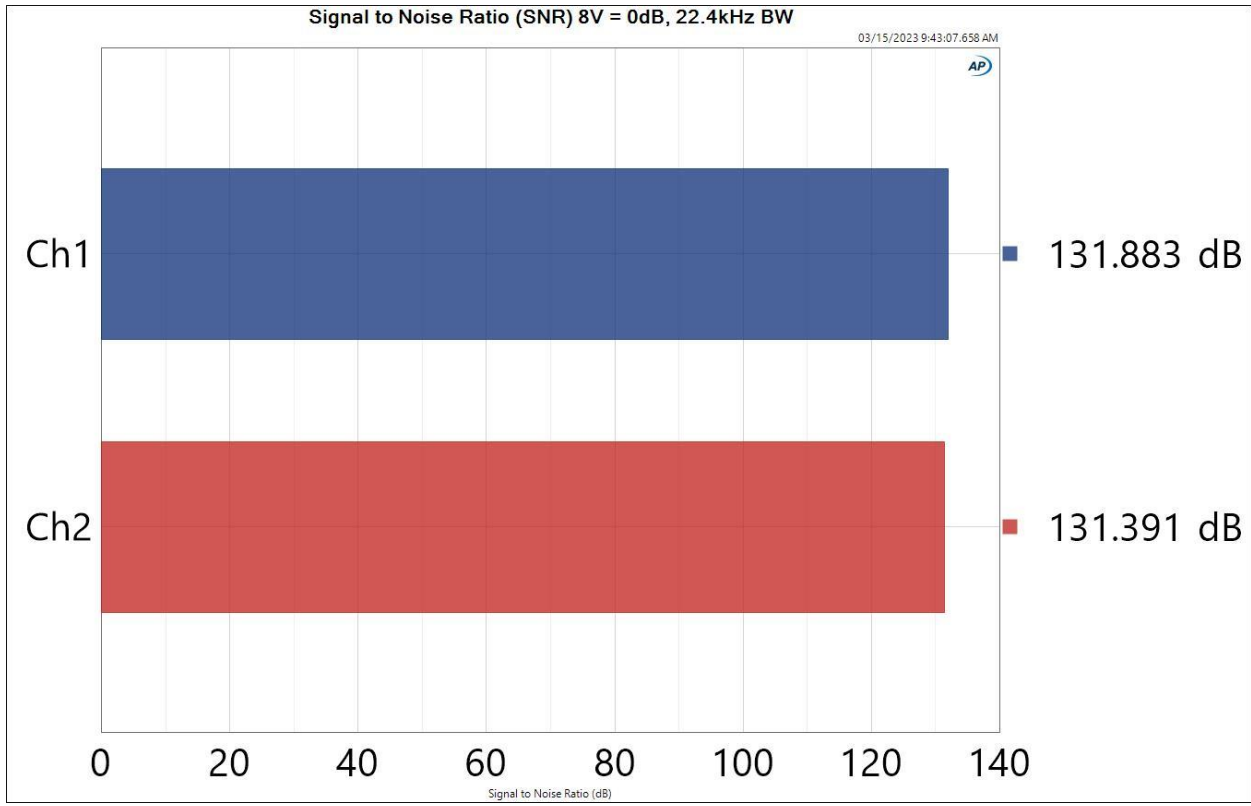
Frequency Response and Phase



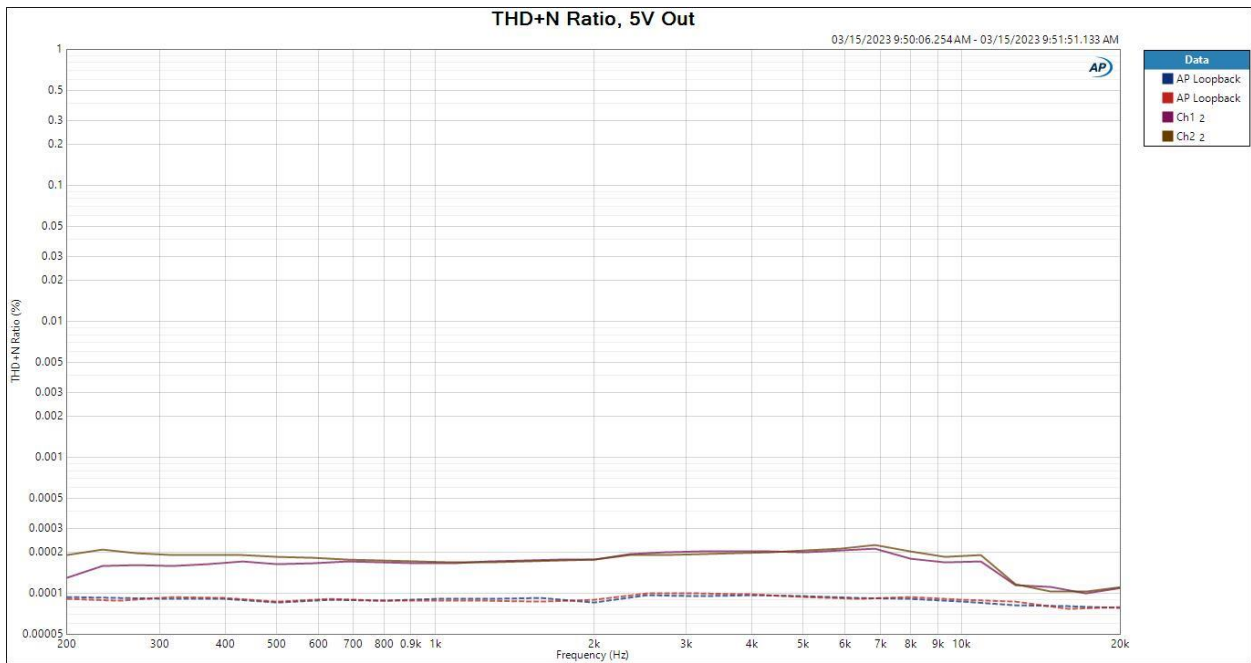
Crosstalk



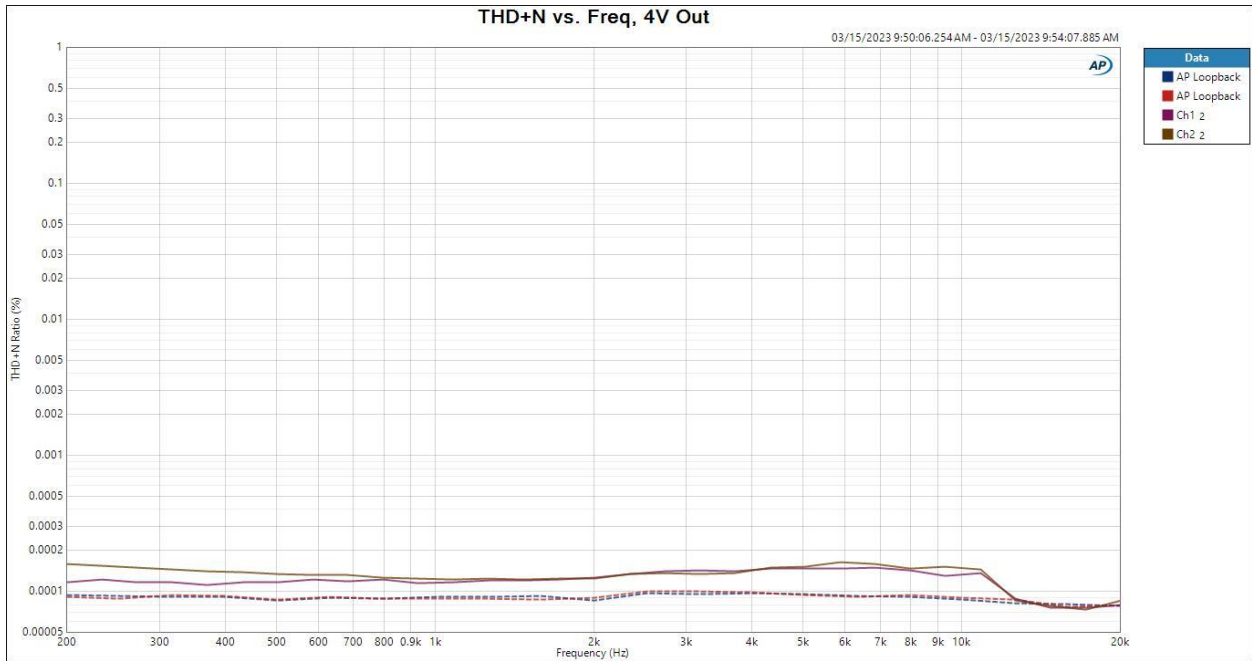
Signal to Noise Ratio



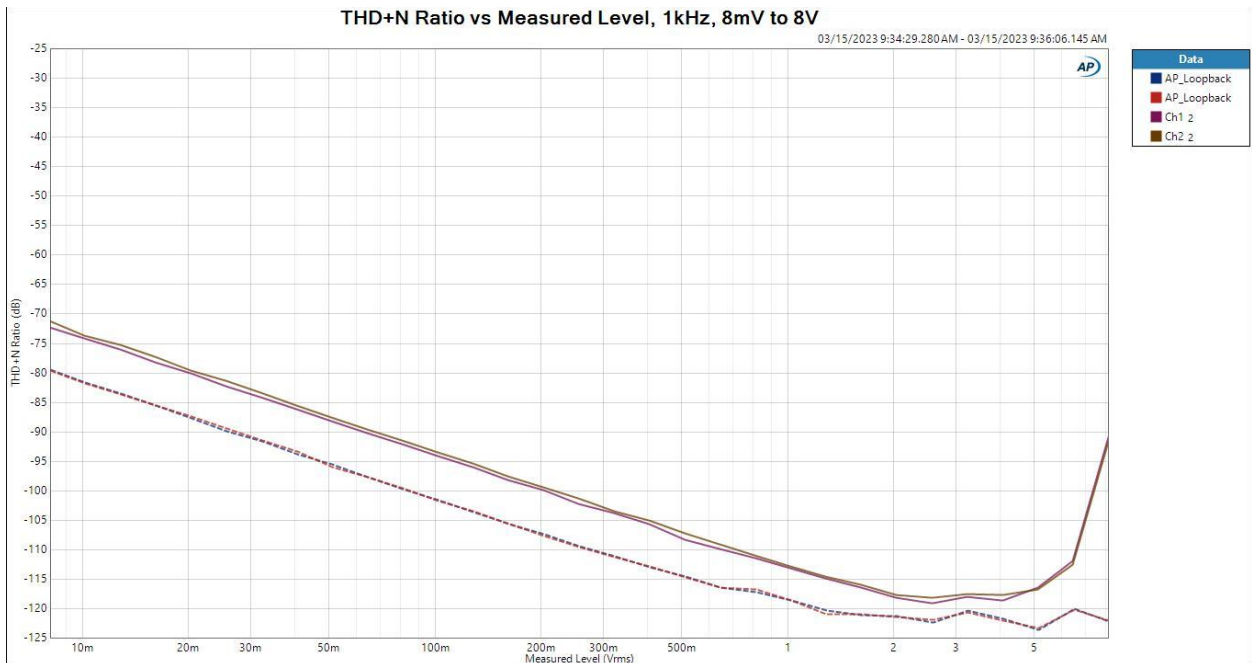
THD+N Ratio vs Frequency 5V_{RMS} Output



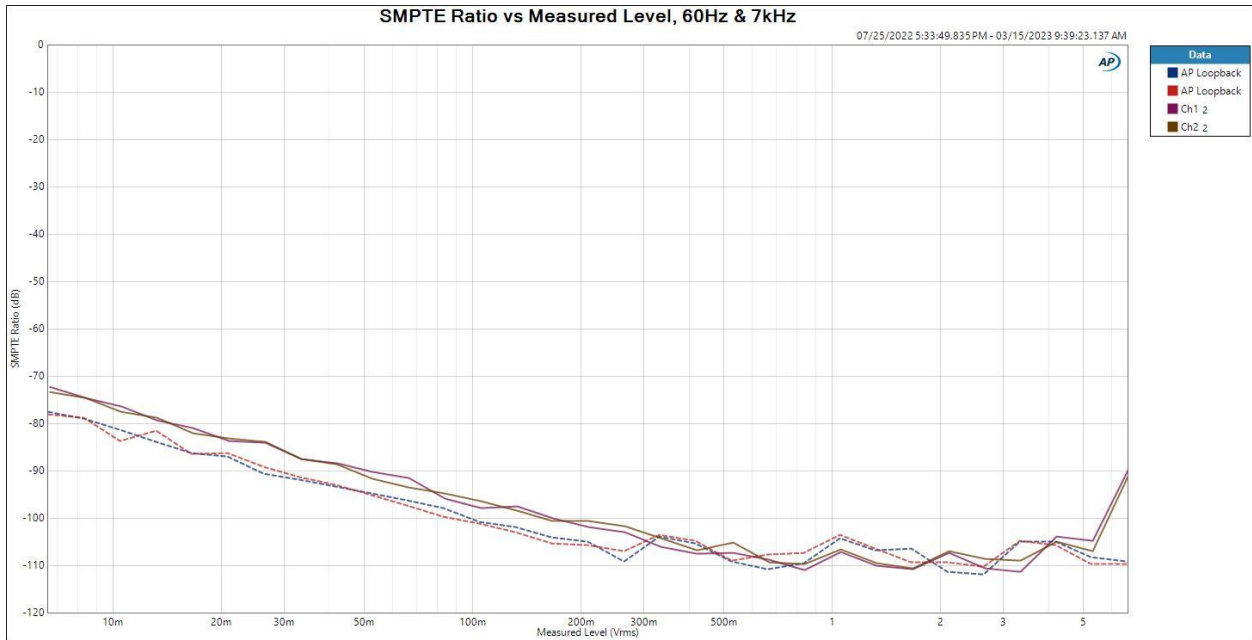
THD+N Ratio vs Frequency 4V_{RMS} Output



THD+N Ratio vs Measured Level at 1kHz



Intermodulation Distortion (IMD) vs Measured Level



5V_{RMS} Square Wave Output, 1MHz Bandwidth

