Signal Distribution - Modifying the Kramer VM-1411

I published an article in the May 2025 publication of Practical Wireless Magazine.

Electronic viewing of the magazine, as part of a subscription, is here: https://pocketmags.com/eu/practical-wireless-magazine

As necessitated by space constraints the photos in the article might be a little small to be of any use for some readers.

So here are each of the graphics and photographs in high resolution.

Samuel

ERRATA – 22 April 2024

Diode D2 in figure 6 and figure 7 is the wrong way around in the original article that was published. The diode is correct orientated on the factory assembled PCB. I got it wrong when capturing the schematic in the CAD package I use. Now corrected in this document

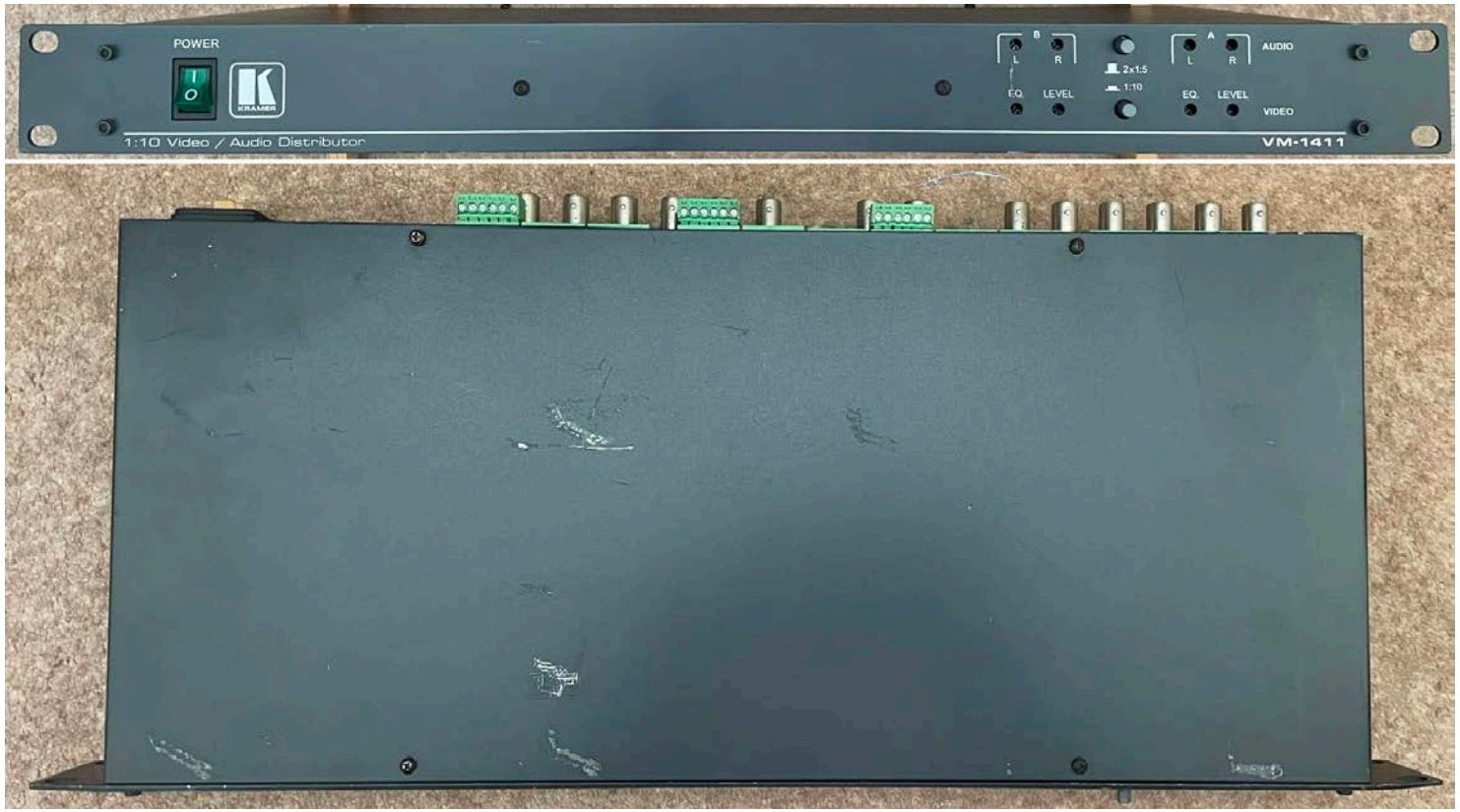

Figure 1. Front and top view of the Kramer VM-1411

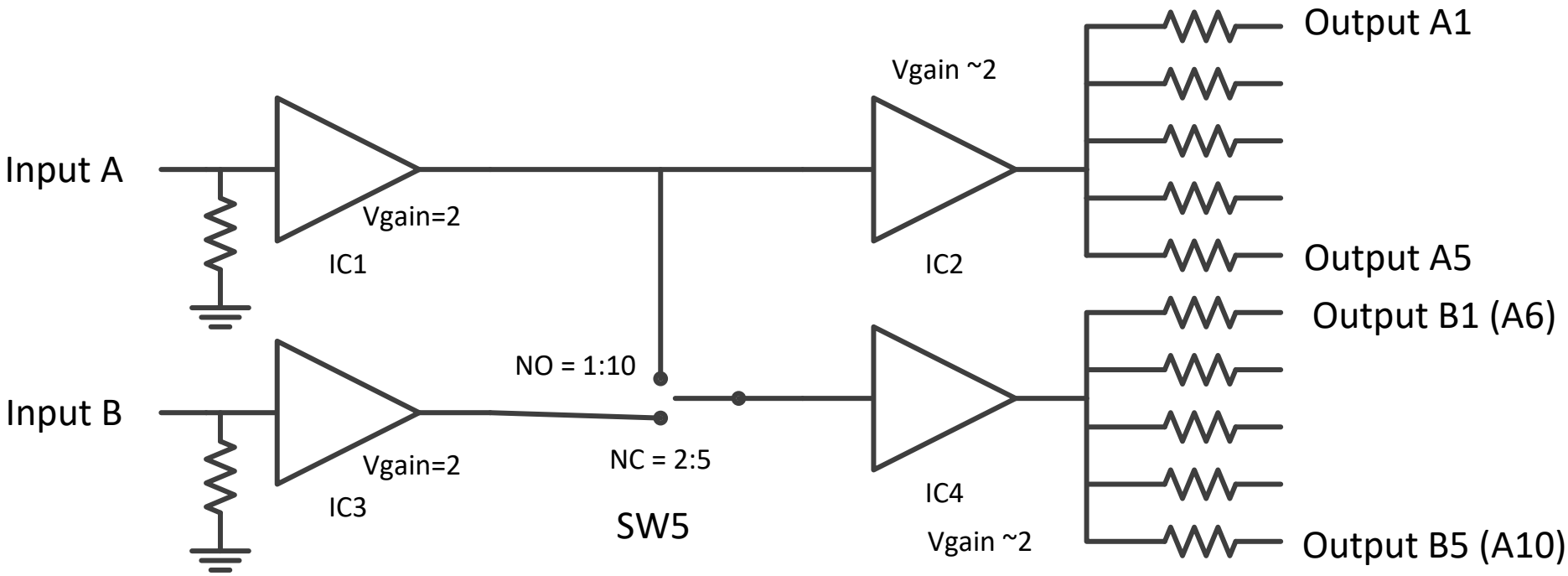

Figure 2. High Level Block diagram

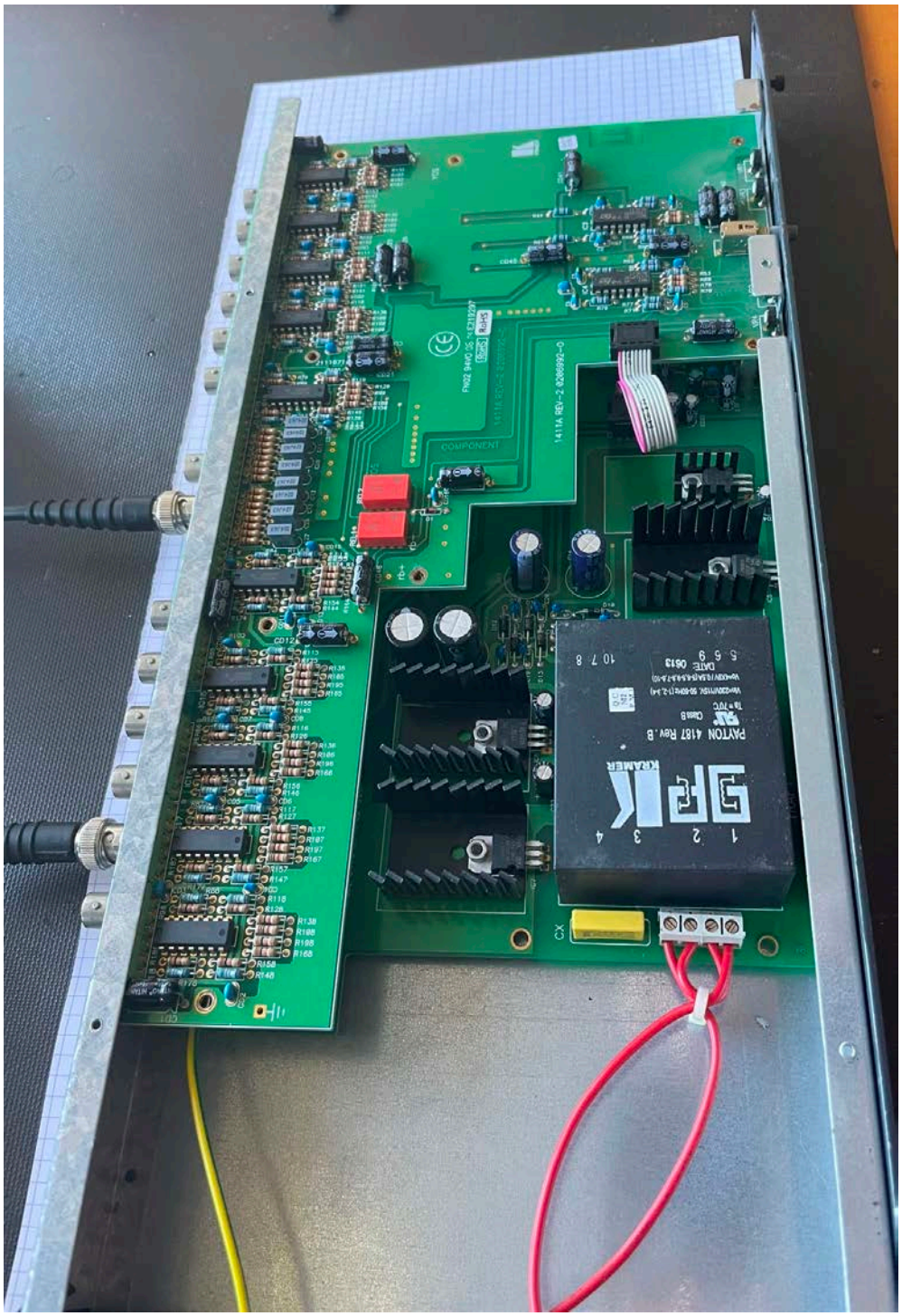

Figure 3. Inside view of two PCBs.

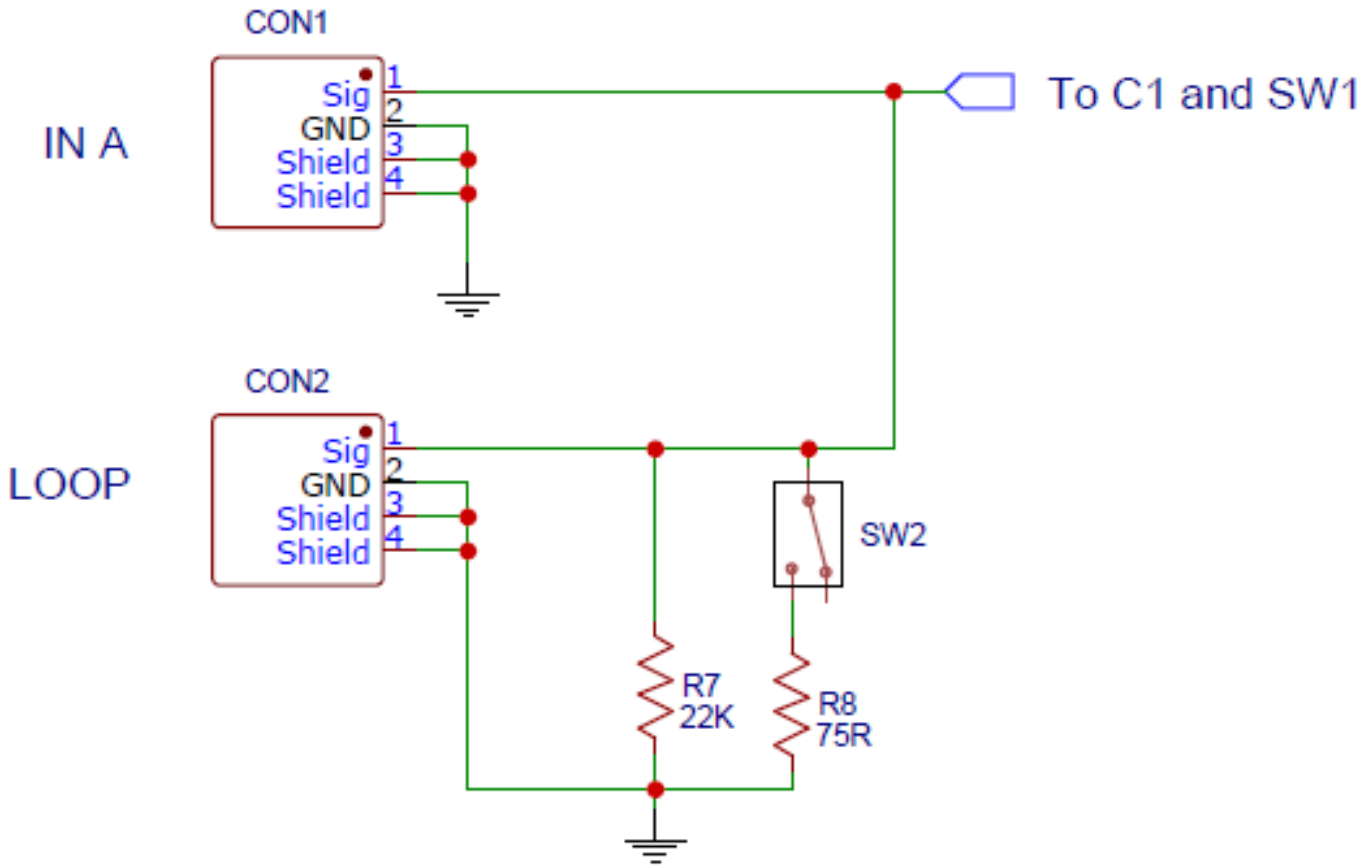

Figure 4. Input to Loop and termination.

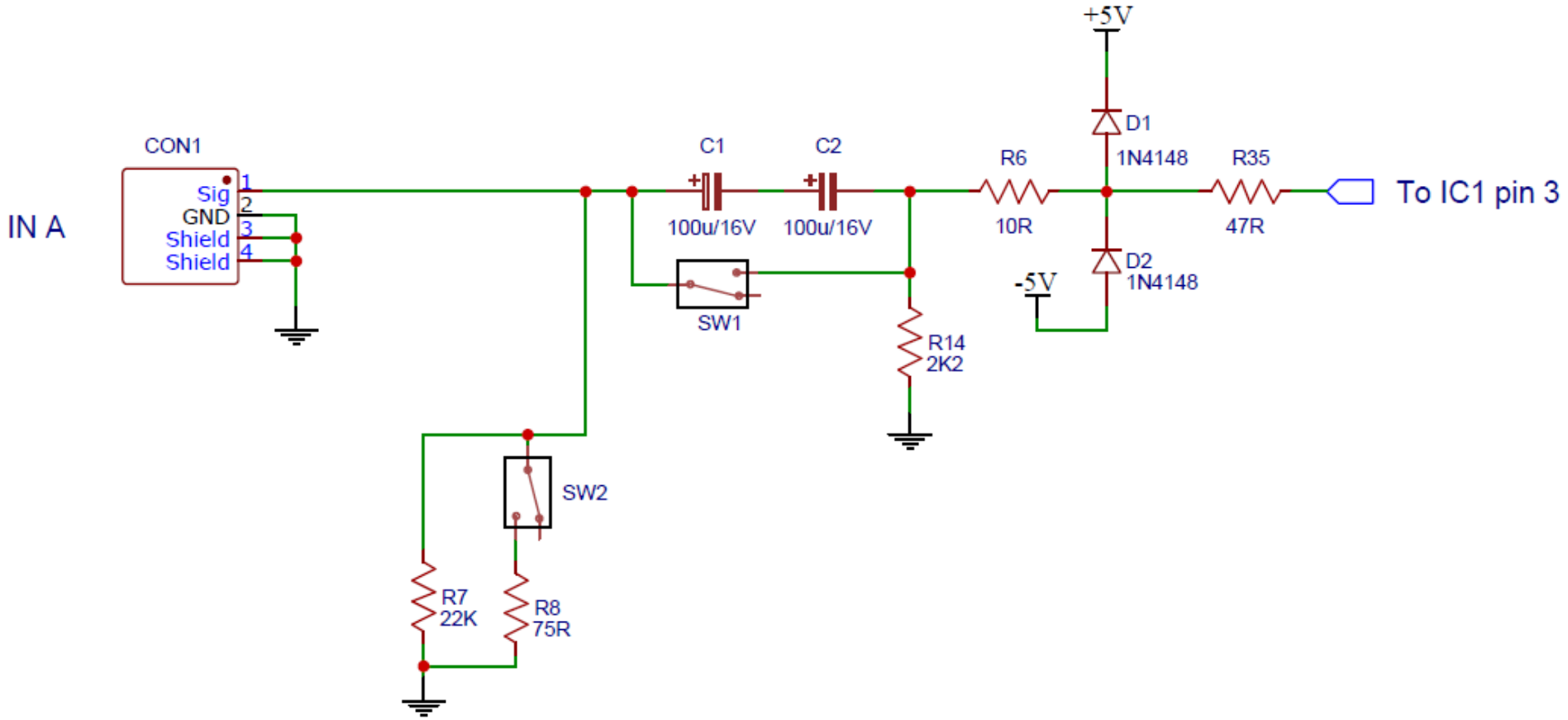

Figure 5. Input circuitry - original

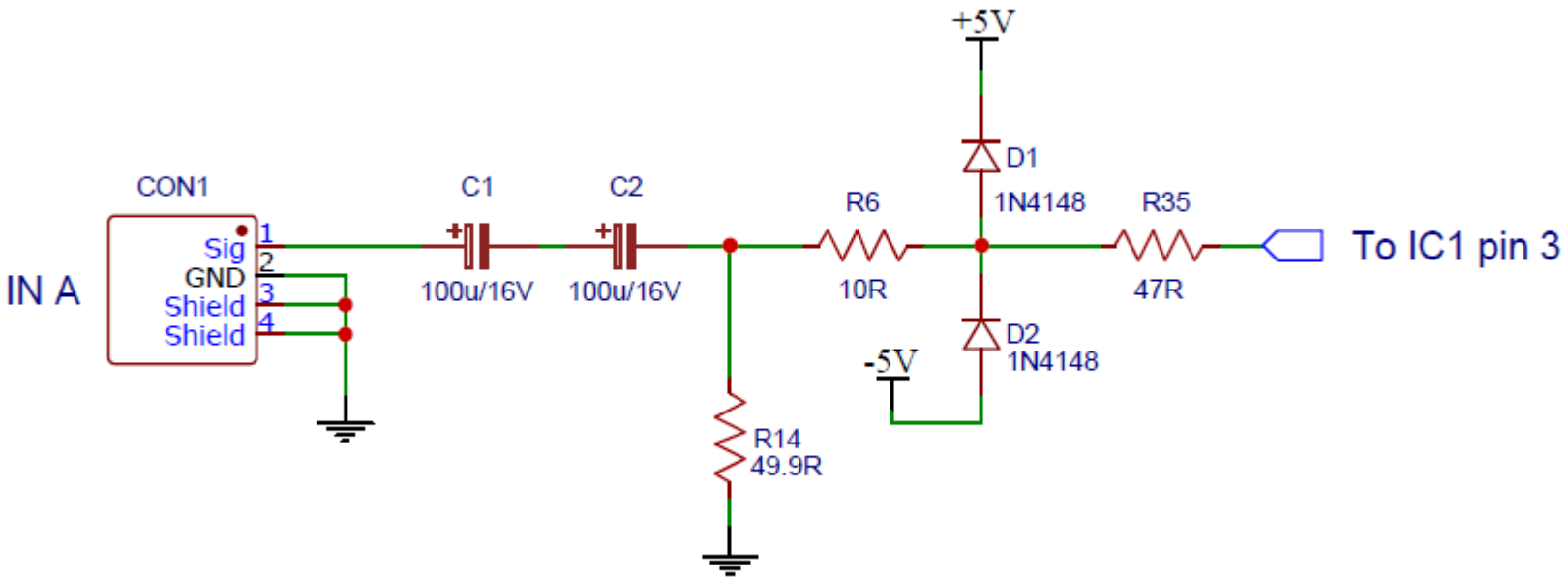

Figure 6. Modified input circuitry

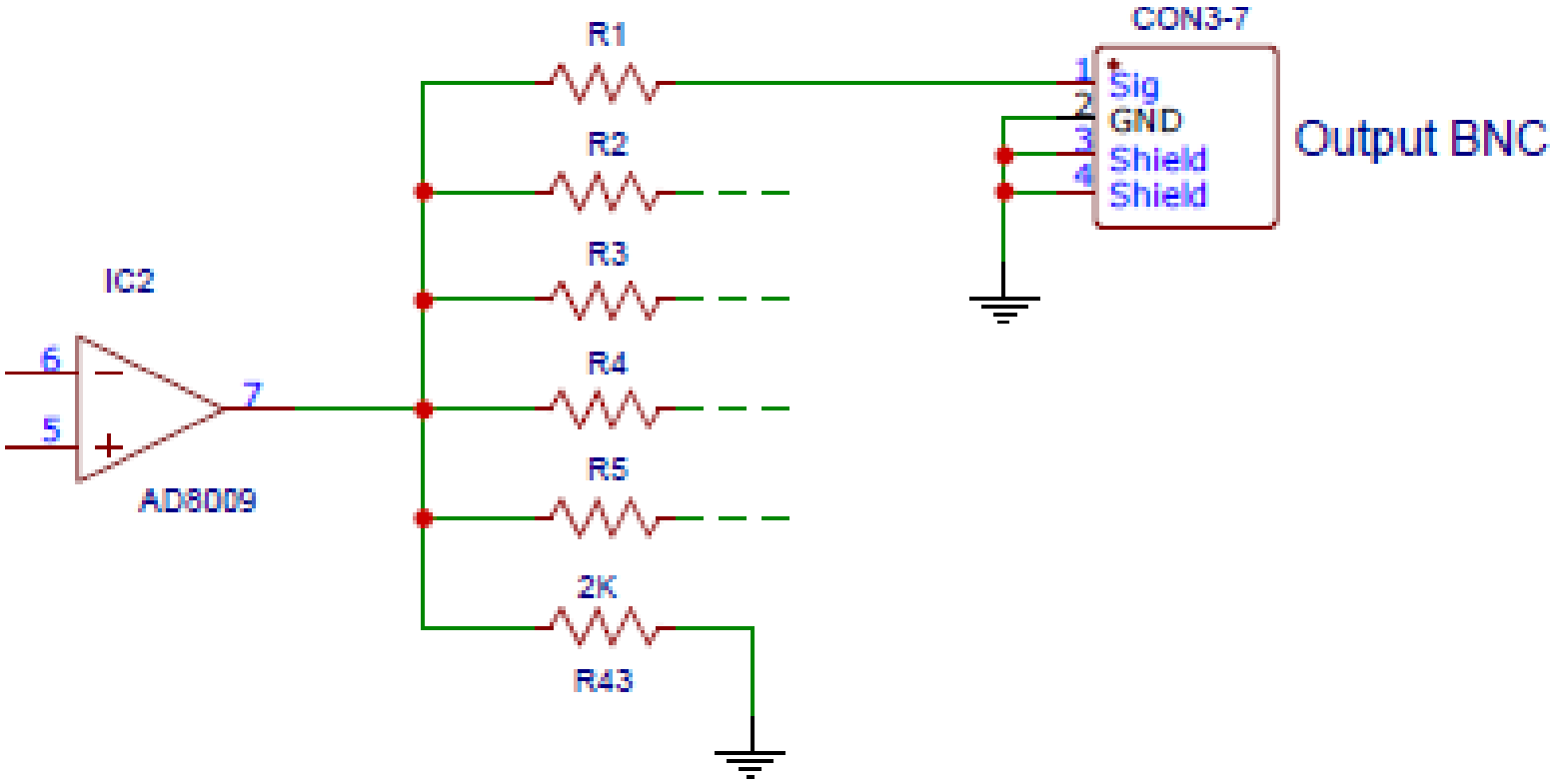

Figure 7. Output circuitry

Figure 8. Front and back view of GPS standard

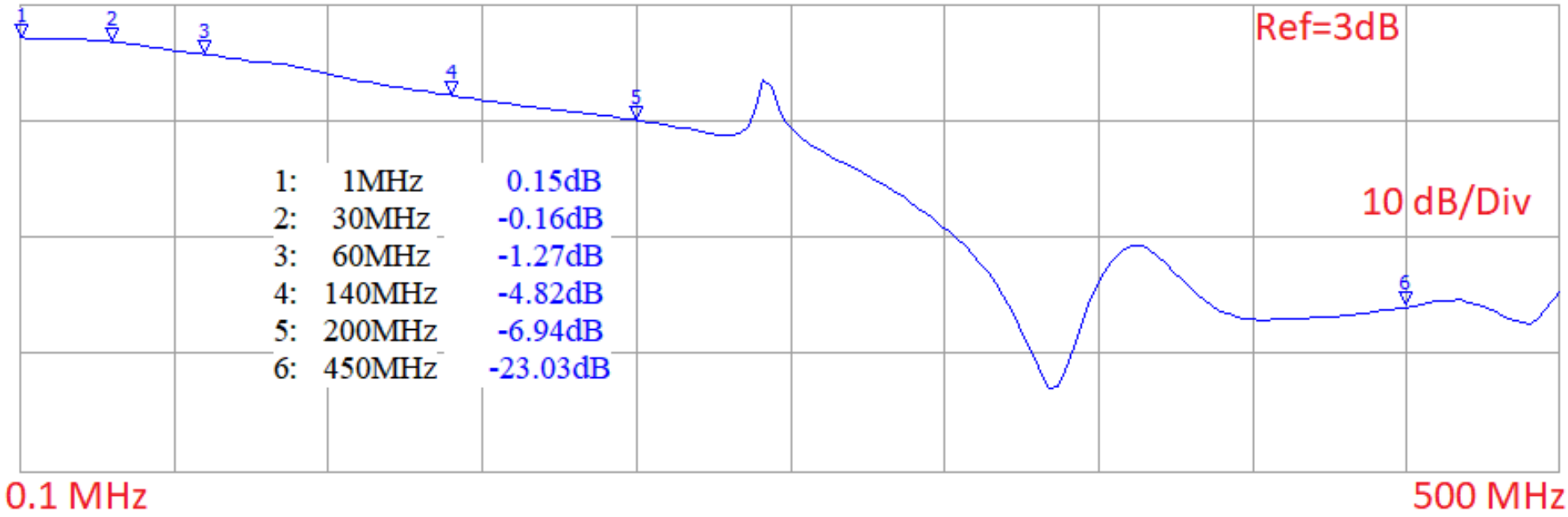

Figure 9. Transmission coefficient - S21

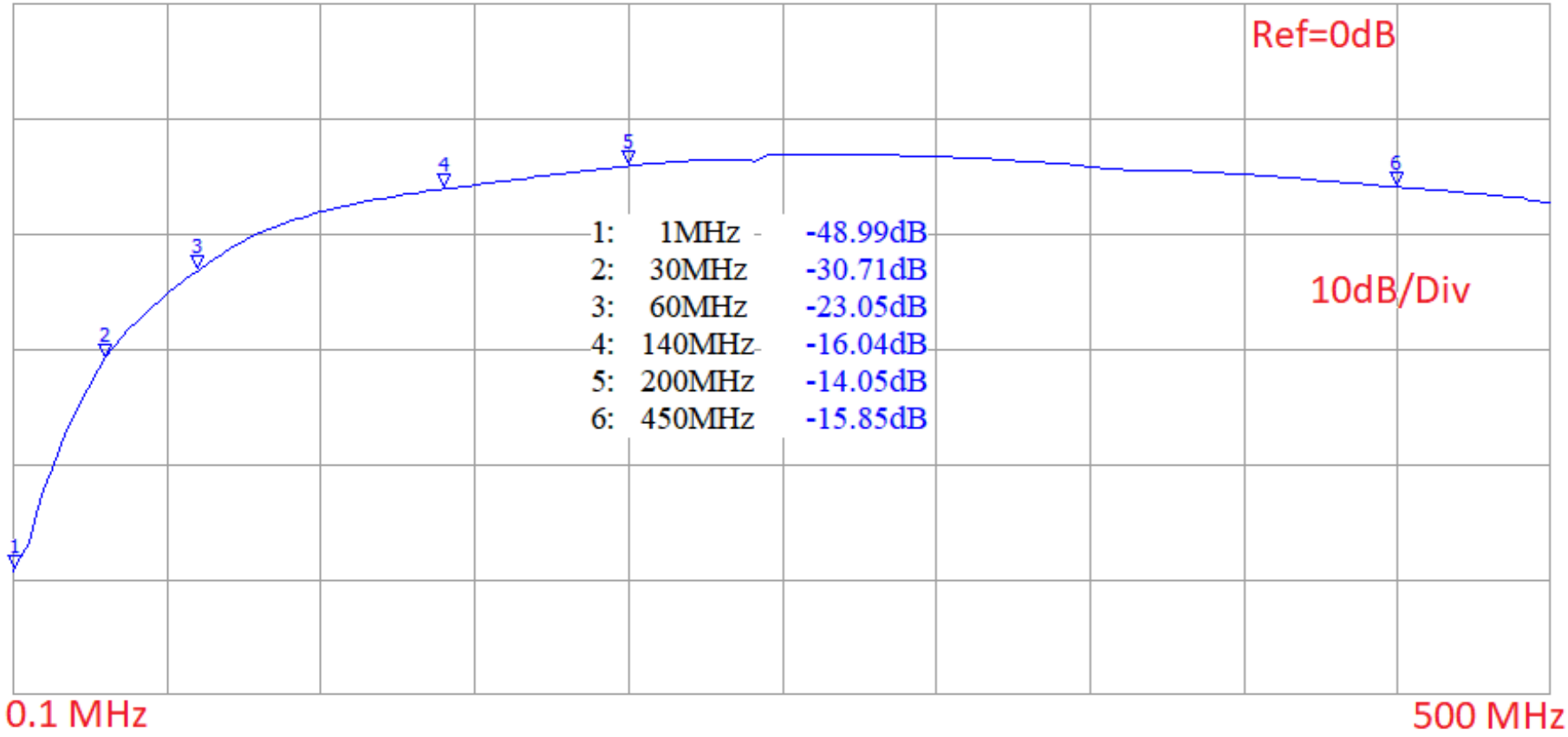

Figure 10. Isolation between outputs on the same channel

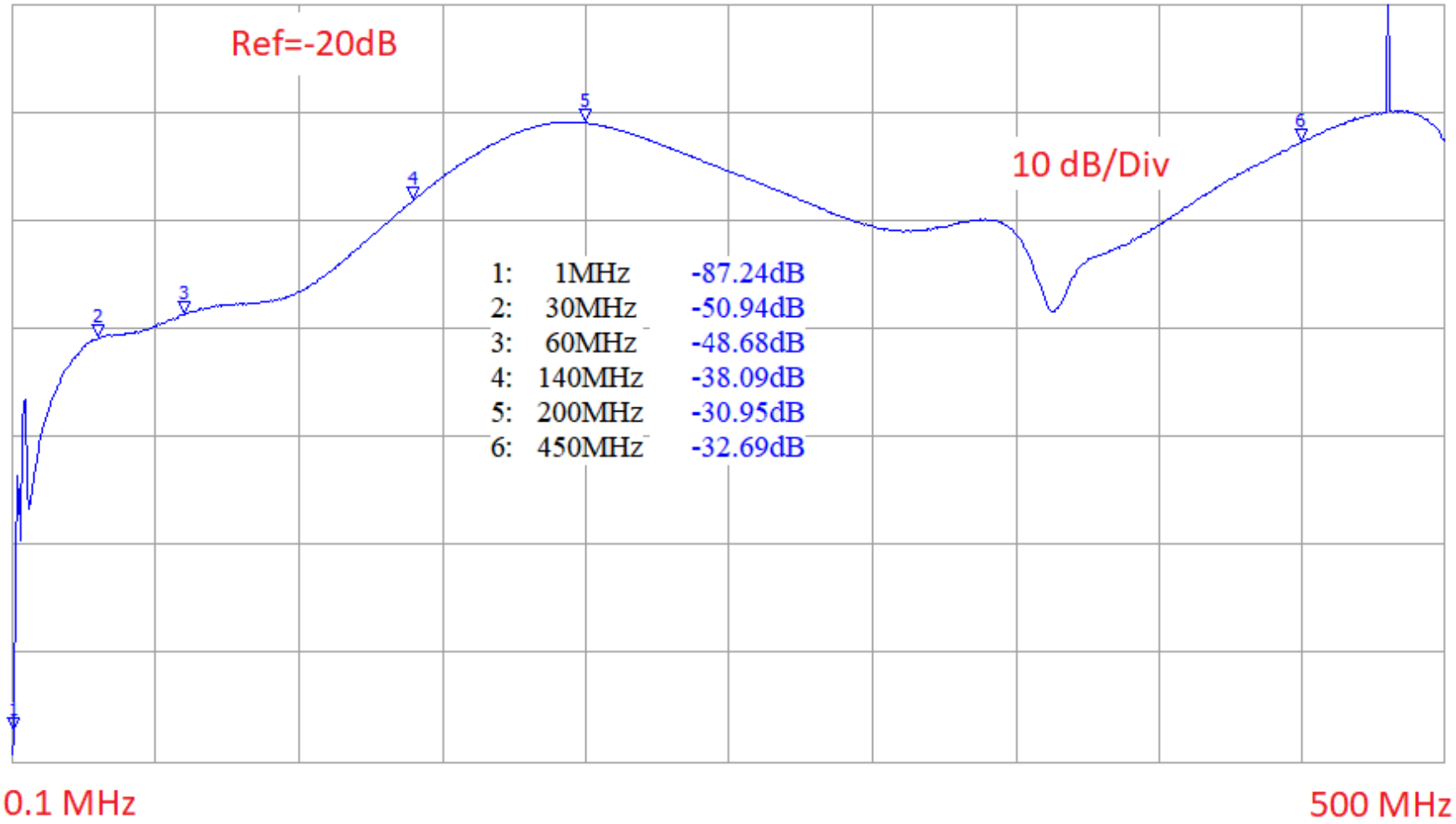

Figure 11. Isolation between outputs on different channels

Ends ……