



Andrea Audio Test Labs

**Andrea's Audio Filters  
Running On  
Nvidia Jetson Devices**

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This report documents the performance of Andrea's audio filters running on Nvidia's Jetson devices.

**Andrea Setup:**

- Andrea's audio filters library is built into a simple recording program. When making recordings, the user controls which, if any, audio filters are used.
- The recording program is run on a Jetson device. In this case, it is run on a Jetson Nano.
- The microphone is an Andrea Array 2s connected to an Andrea PureAudio USB device, which is connected to the Jetson Nano.
- White noise is played from a white noise generator.

**Test Description:**

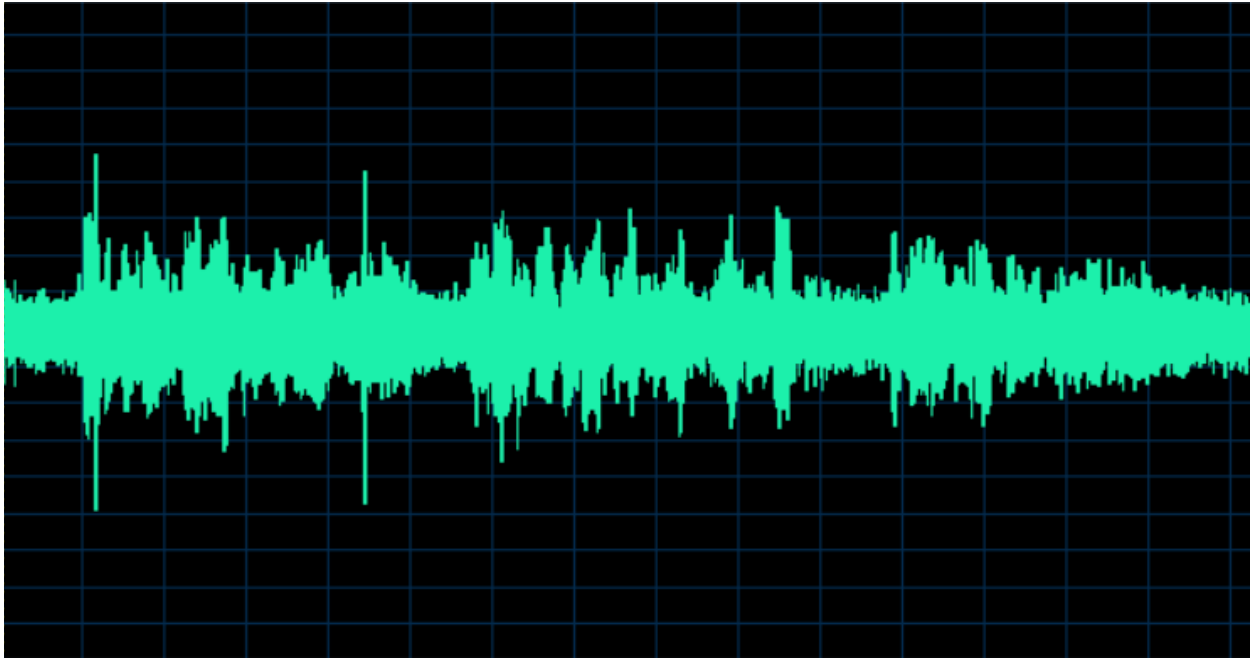
With 65dB of white noise playing, two recordings are made:

- The first recording does not have any audio filters enabled, so this is a recording of the raw audio coming from the microphone.
- The second recording has Andrea's beamforming and noise cancellation technologies enabled.

**Results:**

To listen to the results, play the NoFilters.wav and Filters.wav recordings included with this document.

The following screenshot shows the recording without any audio filters enabled:



The following screenshot shows the recording the Andrea's beamforming and noise cancellation enabled:

