Linear Vs Angular

When comparing linear and angular beam formatting with acoustic sensor microphones, we observed notable differences in performance during a 3D printer's purging process.

Linear beam formatting:

* Consistently picked up more sounds overall
* Detected a significant amount of fan noise
* Using Friture software, frequencies mainly oscillated between 311 Hz and 1384 Hz
* Occasionally captured frequencies higher than 1384 Hz

Angular beam formatting:

* Utilized sensors placed on the left panel, right panel, and top plastic panel
* Frequency range was predominantly between 311 Hz and 938 Hz
* Occasionally captured frequencies up to 1184 Hz, but with smaller jumps
* Demonstrated superior ability in filtering out fan noise and other loud sounds

In conclusion, angular beam formatting proved more effective at isolating relevant sounds by blocking out background noise from fans and other sources during the 3D printer's purging process.

