



## Wireless Vibrometer With Antenna Array

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### The Invention

A wireless vibrometer employs an antenna array to significantly boost the signal-to-noise ratio of faint received signals from small objects vibrating at acoustic frequencies. This technique may be used to provide an improved physiological monitor (such as a pulse detector) or for long-range eavesdropping using the emitted power from a cell phone or the like.

#### Tech Fields

- [Information Technology : Computing methods, software & machine learning](#)
- [Information Technology : Hardware](#)

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