

## Smartphone Apps for sound level and Frequency Spectrum displays, etc.

These vary greatly in features, so try them out. Note that FFT means “Fast Fourier Transform”, a mathematical technique for extracting the frequency spectrum from a sound sample.

Many have a free version, sometimes with ads. Paid upgrades give more features, no ads.

Each one uses the microphone in your phone as input, then displays the sound in real time in various formats. Some for Android, some for Apple, some both.

Try this one first as a baseline

### Ones I've tried:

**FFTwave** ver 1.6 (Eisahu Nozu) . Good, configurable, shows both Waveform and FFT  
(also in iOS version, free)

**Spectroid** (FFT spectrum and spectrograms, good)

**Sound Analyzer App** (Dominique Rodrigues) Basic sound pressure, low resolution spectrum analyzer.

**Advanced Spectrum Analyzer Pro** [FFT only, full screen landscape, allows screen shots – good]

**Hz Frequency Sound Generator** [has ads. Plays any frequency, sine, square etc. good]

**Spectrolizer** – Music Player & Visualizer [ Free with Ads, can upgrade. Shows weird visualizations of sound files on the phone. Fun, but not useful scientifically.]

**FFT Spectrum Analyzer** (XYZ-app) has ads. Waterfall view available

### Others:

**Toon** (a series of apps for IOS)

**Moonblink** (Audalyzer) (Android)

**Bs-spectrum** (Bismark) \$4 (iOS)

**FFT** (Audia Sound) Android \$10

**FFT Analyzer** (Studio Six Digital) iOS \$25

**iGram Spectral Analyzer** (idroidbot) Android \$2

**RTA Pro analyzer** (RadonSoft) Android \$5.50

**SignalScope Pro** (Faber Acoustical) iOS \$75

**SpecScope Spectrum Analyzer** (NFX Development) Android \$1

**Spectral Audio Analyzer** (RadonSoft) Android Free

**SpectralPro Analyzer** (RadonSoft) Android \$5.50

**Spectrogram** (Pete Schwamb) iOS \$10

**Speedy Spectrum Analyzer** (Electron Chaos) Android \$5

**Waterfall Spectrum Analyzer** (idroidbot) Android \$3