

Can you afford poor voice quality?

Some products on market do not sound good. With many similar, competitively priced products available to the user and raised performance expectations - your reputation and market share may depend on sound quality more than ever before.

Your product may stand above a crowd and become famous for crystal clear sound - or not. Your profits can stay on the top - or fall, when your product sounds poorly and gets bad reviews.

With our extensive audio expertise, we can make your product stand out on market. We are the experts to make your product sound the best.

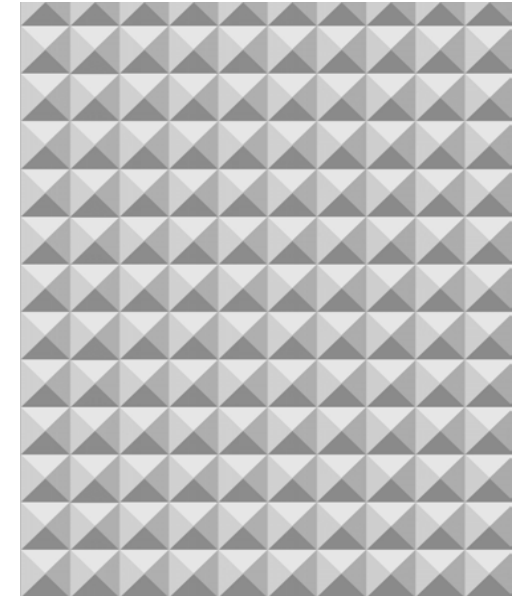
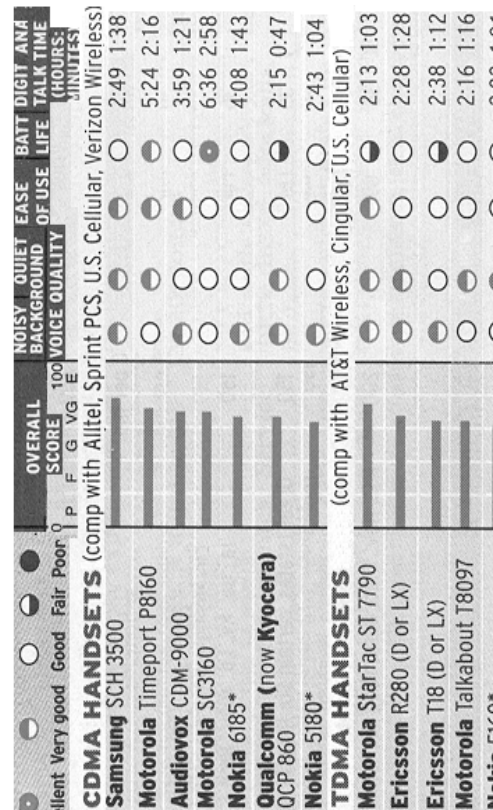
It is so easy. Let us do all the hard work for you. Let your team focus on other design aspects while we focus on audio. Hear the difference! Shorten your design time and save money! Contact Audio Scientific now!

PCS Systems & Technology, 3/99, Voice Mode Testing in Mobile Phones: In today's competitive environment, voice quality is a driving factor in the success of networks and phones... many factors than cause poor voice quality, it is essential to explicitly test each phone's voice performance ...

Test & Measurement World, 10/99, Combine RF and Audio Cell -Phone Tests: Customers are exchanging analog cell phones for digital ones with the expectation of higher

voice quality. Can you ensure your products meet their expectations? ... Although customers expect better sound quality from digital phones, audio specs for digital phones are generally more lenient than those for analog ones ... Even with high-quality parts, some batches will undoubtedly fail to meet specifications. Thus, more comprehensive audio tests needed ... Yet audio quality is far too important to ignore completely in manufacturing final test. Acoustic problems can arise as a result of errors during the surface mount or assembly process ...

Consumer Reports, 2/01, Cellular Without The Static: The high scoring handsets combine good voice quality and battery life with convenient features and ease of use...



Audio Scientific

Audio Expertise for
Telecom - Wireless - Portables

<http://www.audioscientific.com>

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Which one is best for your design?

About us

Audio Scientific serves wireless and telecom companies. Our expertise is backed by over 20 years in the audio field. We work on various size audio projects from concept to production.

We specialize in wireless, hands-free, telephone handsets, portables, headsets, speakerphones, echo cancellers, condenser mics, noise canceling mics, accessories and all voice capable products with a chain of sound, analog and digital signals.

We identified and solved permanently many audio problems plaguing wireless world for years. Fine audio solutions, custom test signals & techniques set us apart from a crowd. For example, we can test echo for unfinished product or without base station.

We removed countless side effects from clients' products. Intermittent noise, dull sound, excessive echo, cross talk, buzz, hiss, static clicks, microphonics, rolled off frequency response, wrong directionality, enclosure vibration, puff effect, excessive noise, distortion. We improved assembly process, redesigned transducer housings, weatherproof properties and more.

Our strategy is to provide the best, the most reliable audio solutions. We pay attention to the smallest detail. We take no chances with temporary & band - aid fixes. Contact us and ask for a free initial consultation:

<http://www.audioscientific.com>

Why choose Audio Scientific

- Cutting edge audio solutions, material technology and latest circuitry.
- Connections to countless audio & acoustical resources.
- Generous assistance before and after project in production.
- Absolutely best parts and design depth for your budget.
- All questions answered with great technical detail and attached references
- Very detailed, real time status reports & design updates.
- Affordable & easy billing, hourly or per project, with simple invoice covering all resources and labor. No project too small or too large.
- Go with Audio Scientific as far as you like. We always provide all options up front, including cost cap. You can schedule project budget and timetable precisely, in advance.

What we can do

- Provide a free initial consultation that gives you a good idea what is involved.
- Analyze your needs, offer design resources & concepts, estimate project schedule & cost. We provide solutions or assist your team as far as needed.
- Provide schematics, specifications, test procedures, drawings and design docs.

- Recommend, specify and teach you to use audio test equipment and fixtures.
- Design low voltage & micro power circuitry, analog interfaces and acoustics with transducers housing, hands free and more.
- Setup Audio Lab at your location. We also lease our San Diego based audio lab with acoustical anechoic chamber.
- Direct you to advanced, audio related & free engineering resources.
- We specialize in noise canceling microphones, with a long line of prior projects ending in production.

We can do much more! See more info at <http://www.audioscientific.com>

Did you know?

- Today products can sound much better with no cost increase - expert perspective.
- People do not have to speak loudly to their cell phone. Do you?
- Fixturing is more complicated for a combined RF/audio test stage.
- Several problems can slip by a simple single-tone go/no-go audio test.
- Software level calibration does not equal proper audio hardware calibration.
- Your product may meet all audio specs and still sound very bad.
- Today audio can be designed with new electret microphones consuming only 70 uA.
- Smallest audio transducers are not best performers.