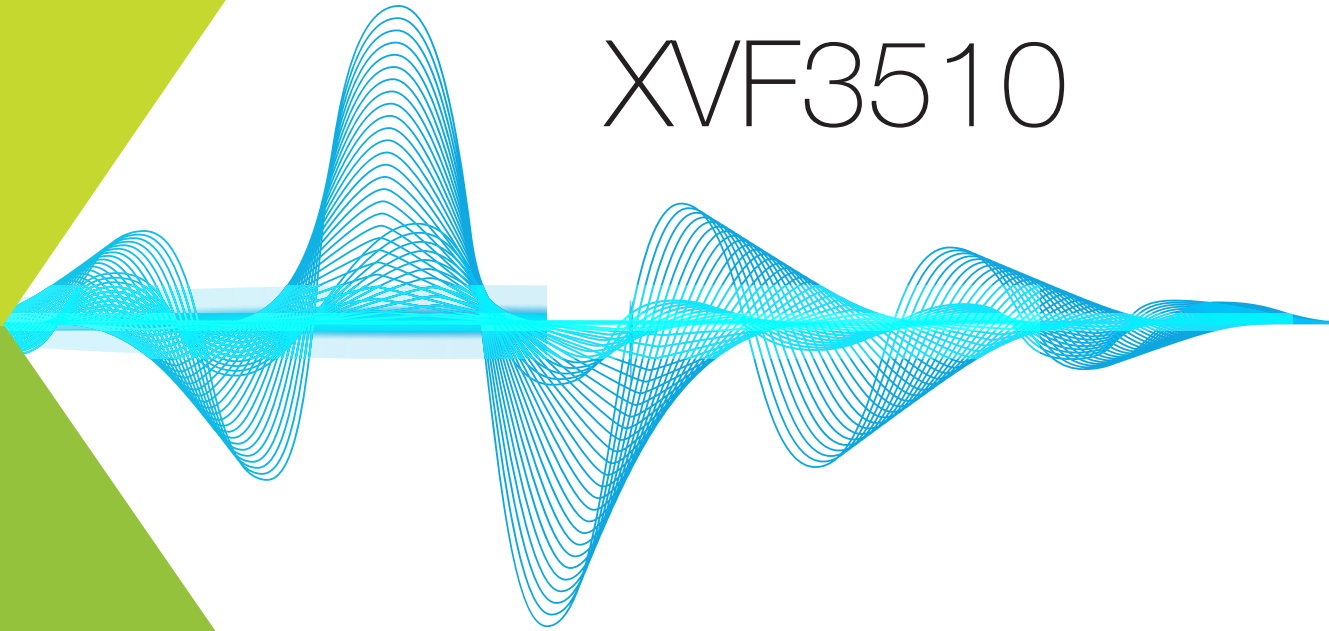
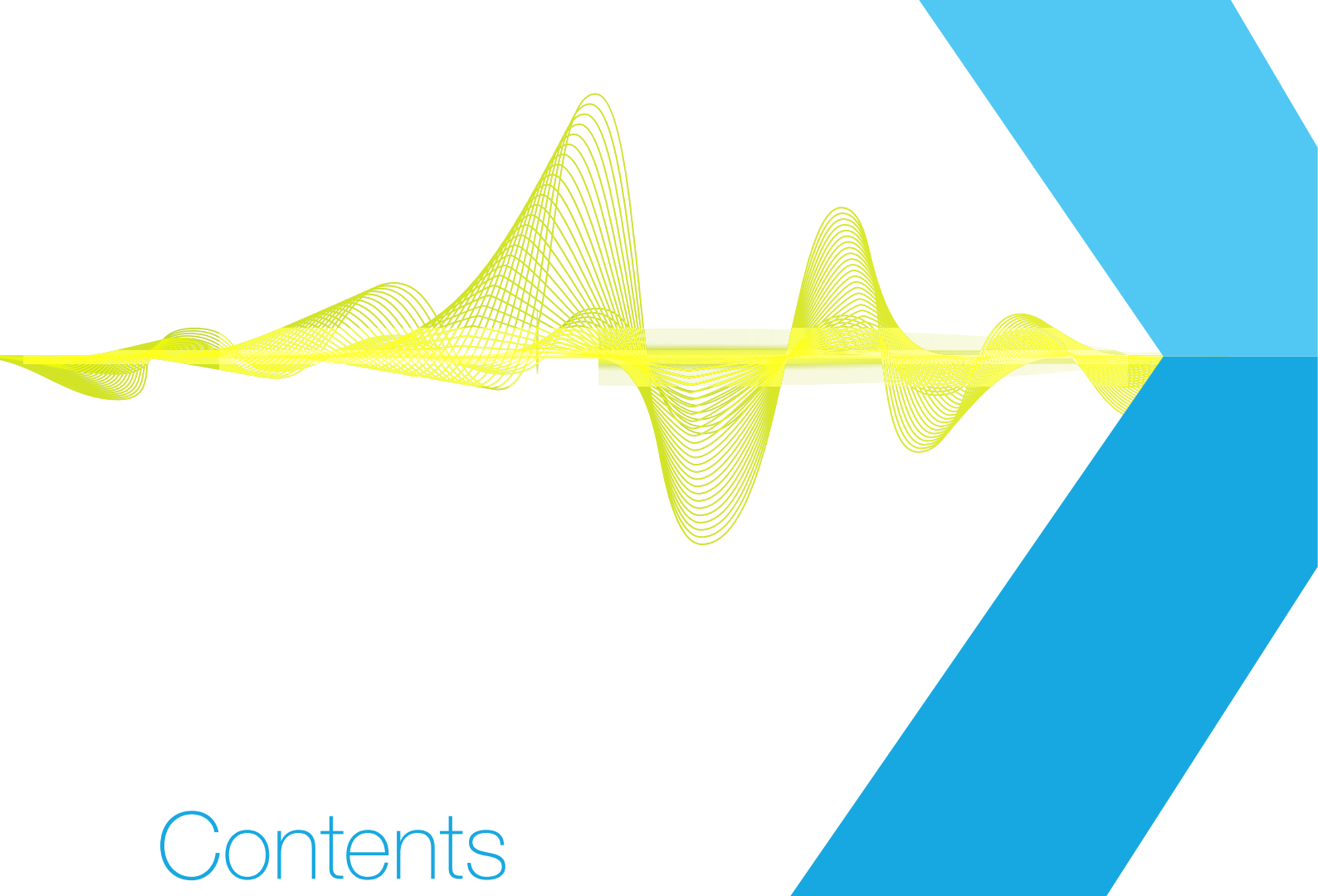


VocalFusion XVF3510



xmos.com



Contents

Message from the CEO
The VocalFusion Dev Kit
XVF3510 benchmarks
Market information
A brief history of XMOS

Hello!



At XMOS we're opening the door to a more natural conversation with technology.

I challenged our team to deliver an economical, turnkey solution for manufacturers wanting to embed far-field voice control into new and existing products. And they delivered! I'm delighted to introduce the XVF3510 voice processor – it brings you the XMOS performance you can rely on at a market leading price tag of just \$0.99.*

With this latest solution from XMOS, you'll benefit from our next generation intelligent algorithms. They're purpose-built for modern living spaces, analysing the acoustic landscape to identify and isolate a voice command from every other sound in the room. If you want to

build a compelling voice interface into your products, our far-field solution delivers with close range precision.

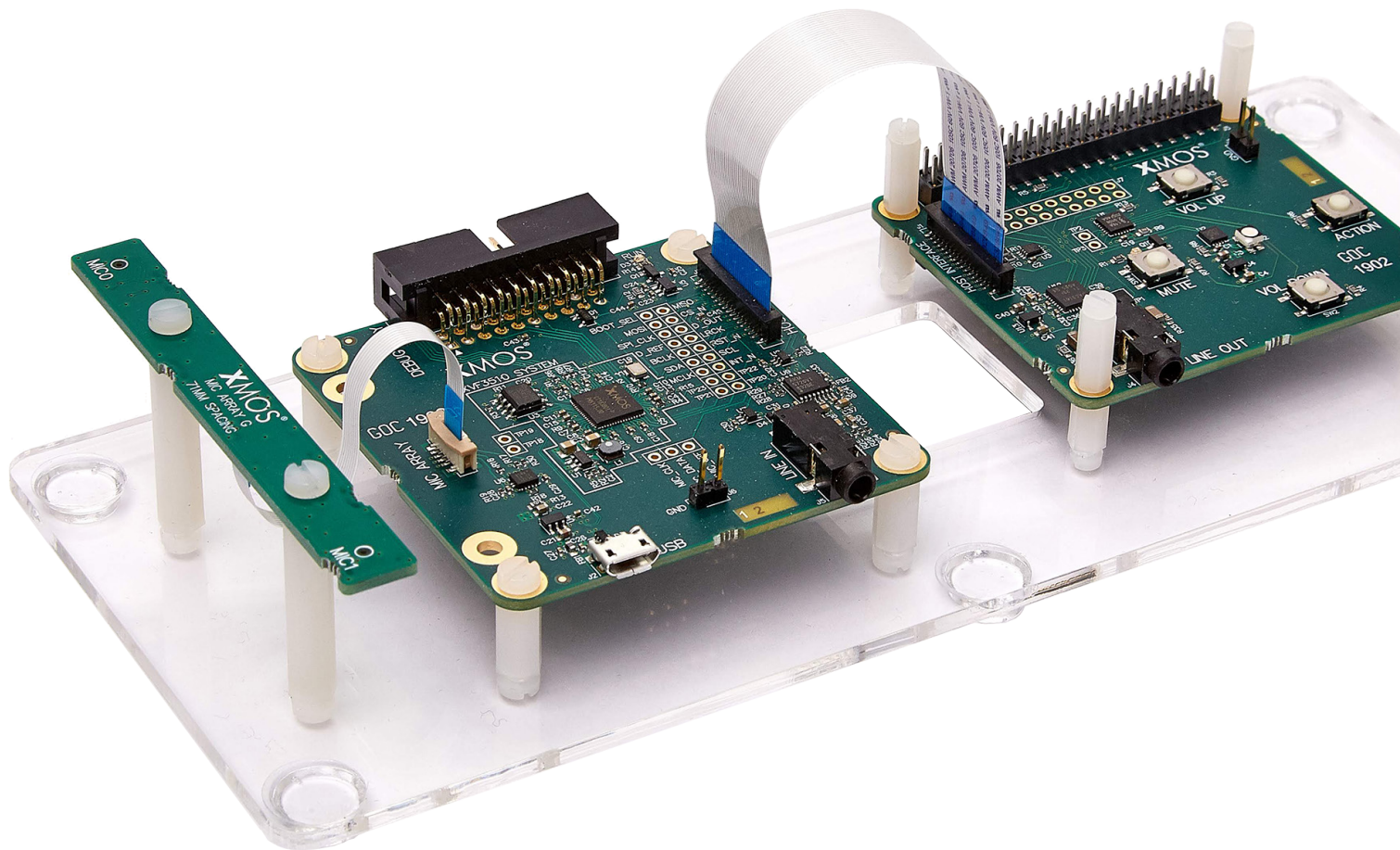
This is just the start. We're already working on how we can harness edge-AI, voice and other sensors to transform the end user experience with presence and context awareness. As speed, convenience and intelligence converge, technology will provide intuitive, relevant experiences for everyone, everywhere.

Welcome to XMOS. We're proud to help shape the future of voice.

Mark Lippett

President & CEO XMOS

* Unit price applies to orders over 1m units a year; other prices apply at lower volumes.



VocalFusion
Dev Kit
featuring
XVF3510
voice processor

The VocalFusion XVF3510 enables far-field voice capture with close range precision. It's a turnkey solution for developers who want to embed far-field voice control into smart TVs and set-top boxes.

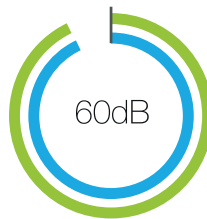
XMOS Acoustic Echo Cancellation, Interference Cancellation, Noise Suppression and Adaptive Delay Estimator algorithms are purpose designed to deliver accurate voice capture from across the room, even in noisy environments, and when content is streaming through the device.

Requiring just 2-microphones, the XVF3510 delivers compelling performance in a BOM-efficient package.

Wake-word detection rate

XVF3510 ■ vs Competitor 2-mic ■

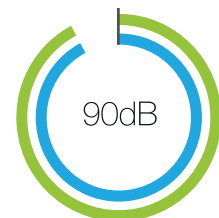
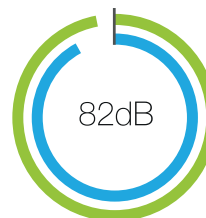
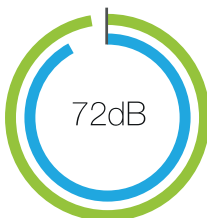
Kitchen noise



External music



Device playback and barge-in

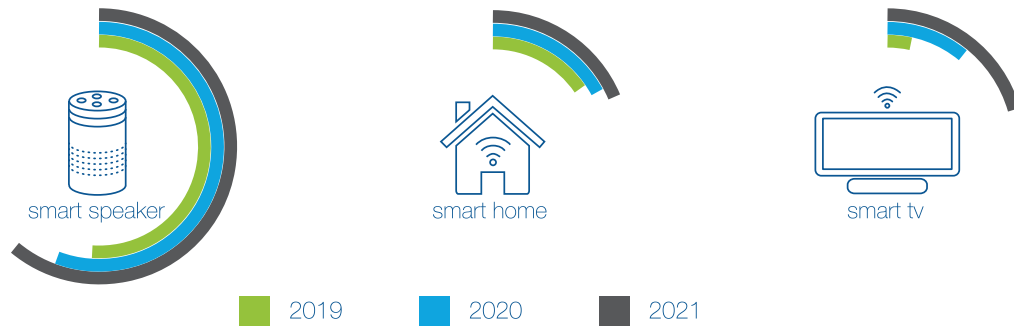


Performance you can rely on from XMOS

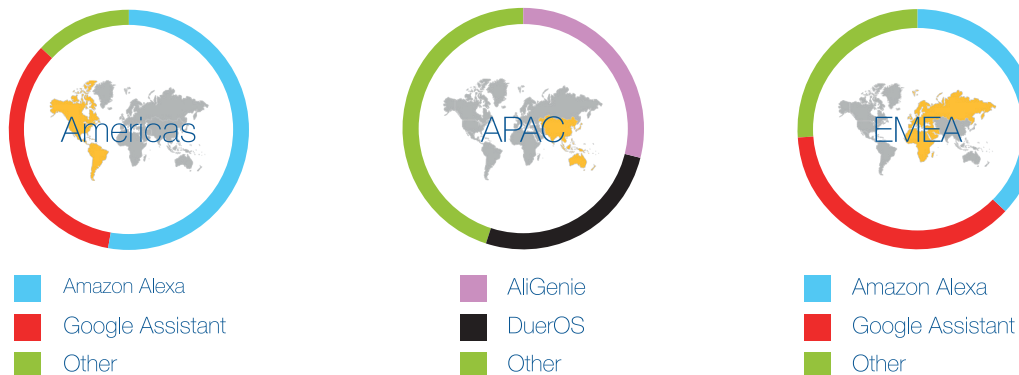
60 dB = normal speech | 70 dB = vacuum cleaner | 80 dB = alarm clock | 90 dB = hair dryer
Wake-word detection software running on Raspberry Pi 3

Tech titans will keep pushing virtual assistants

Virtual assistants 'built-in' device penetration (% of units shipped)
2019-2021

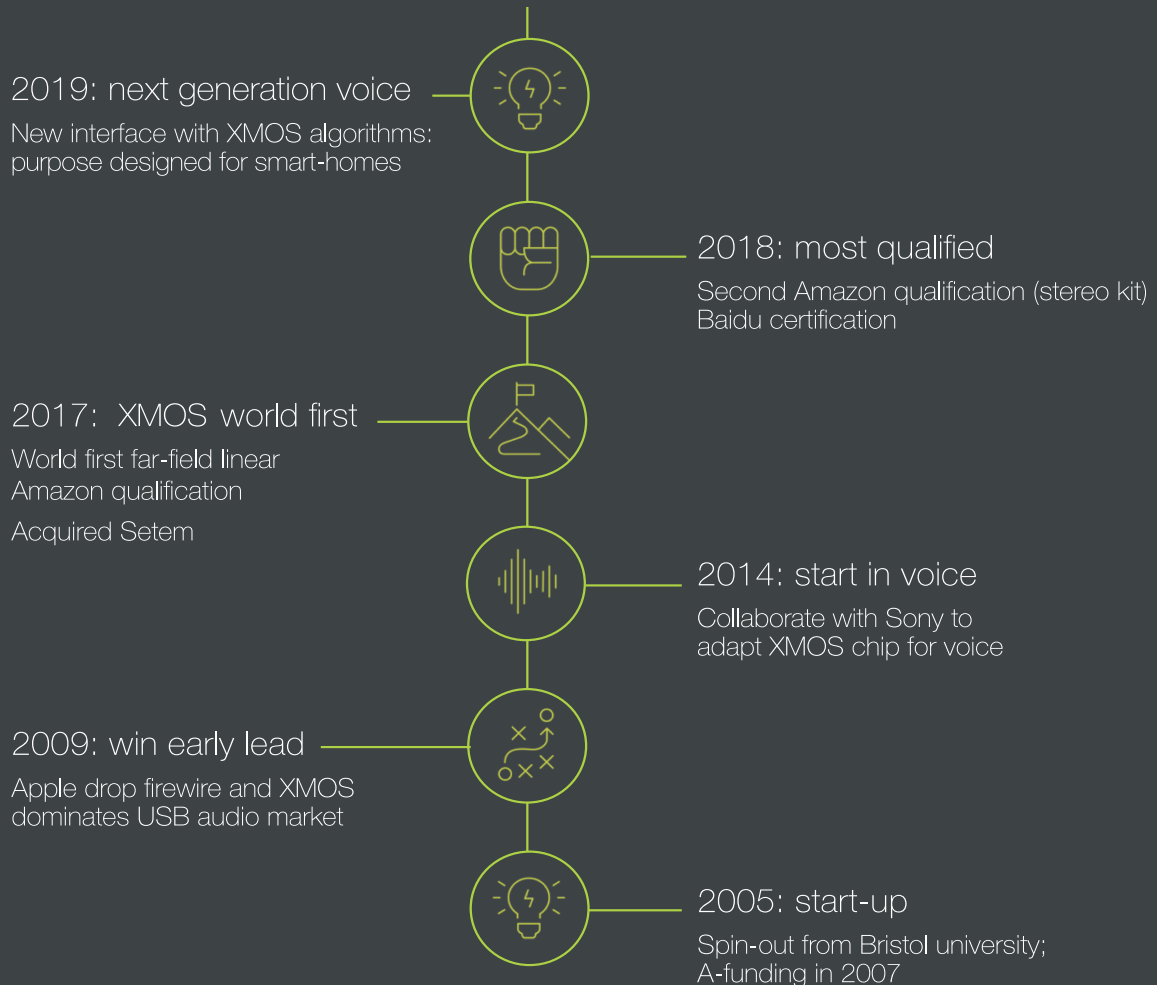


Assistant share of far-field virtual assistant devices (where engagement is highest)
in H1 2019 - smart speakers, streamers, TV's & smart home



A brief history of XMOS ...

Creating a world of possibilities by bringing technology closer to each and every one of us





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