

March 10, 2015

RE: AMBE Vocoder Chips and DSTAR voice quality.

A vocoder (voice compression technology) is one of many components that go into a digital mobile radio system that can directly affect voice quality. For more than 25 years, Digital Voice Systems, Inc. (DVSI) has been recognized as a world leader in the development and implementation of high quality, voice compression technology. DVSI attributes its phenomenal success to their patented IMBE™, AMBE®, AMBE+™ and AMBE+2™ Voice Compression Technologies that have been proven to out perform competitive systems operating at twice the data rate or more.

DVSI continually pushes the envelope of voice compression technology beginning with IMBE™ up through their newest AMBE+2™ technologies. As new improvements and enhancements are developed DVSI strives to maintain backwards compatibility with their existing technologies. This can lead to situations where a radio system that incorporates the latest vocoder can sound better than a radio system utilizing an older vocoder and still be fully interoperable

For example, is DVSI's AMBE-2020™ and AMBE-3000™ Vocoder chips, are both DSTAR compatible. iCOM originally introduced the DSTAR system based on the AMBE-2020™ Vocoder chip that utilizes DVSI's AMBE+ technology. Since that time, DVSI has developed and produced the AMBE-3000™ Vocoder chip that implements DVSI's latest generation AMBE+2 technology and is fully interoperable with the the AMBE-2020™ vocoder chip used for DSTAR. The enhancements of AMBE+2™ technology in the AMBE-3000™ vocoder chip can provide superior voice quality in some circumstances. The highest level of voice quality can be achieved when the AMBE-3000™ Vocoder chip (or equivalent software) is incorporated into the equipment used on both ends of the radio link.

For the latest information on DVSI's vocoder technology and related products please visit <http://www.dvsinc.com>