**Filter specs for 15kHz/25kHz source**

Mic mode: standard performance mode / ultrasonic

Mic frequency: 1.6MHz / 3.2MHz

CIC filter Fs: 1.6MHz / 3.2MHz

Halfband Fs: 100kHz / 200kHz

Lowpass Fs: 50kHz / 100kHz

**Halfband filter specs**

Filter order:14

Fpass: 20kHz/ 30kHz

Fs: 100kHz / 200kHz

**Lowpass filter specs**

Filter order:161

Fs: 50kHz / 100kHz

Fpass: 16kHz / 26kHz

Fstop: 18kHz /28kHz

Wpass: 1dB

Wstop: 100dB