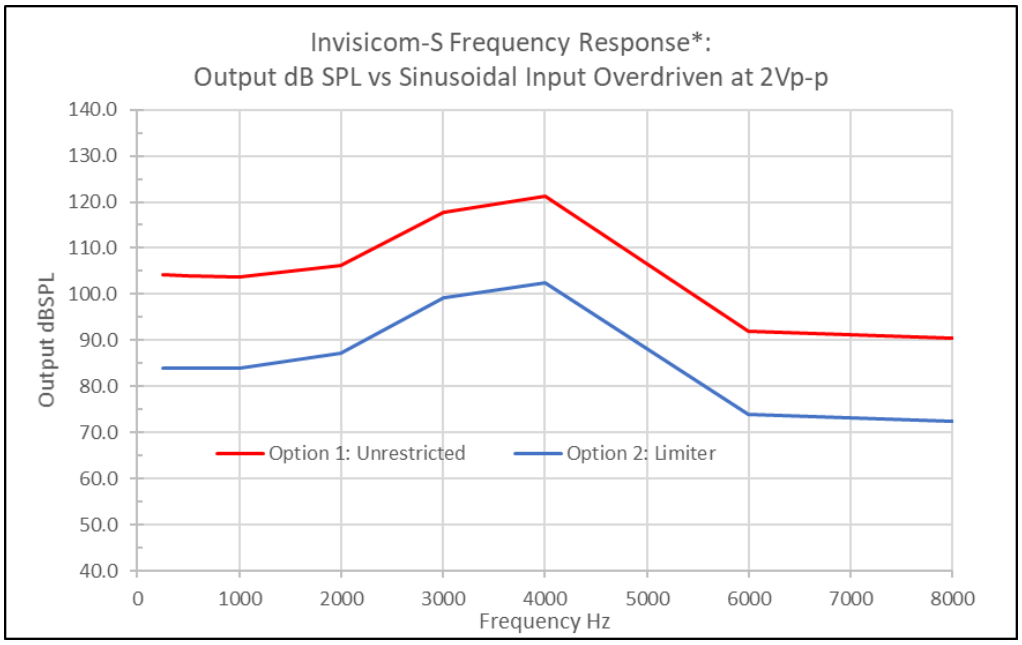
Invisicom-S Technical Specifications

Revision: V1.1



* *Important Explanatory Notes:*

Independently verified 250 to 8kHz by Guymark Limited. See attached report below. Drive voltage: sinusoidal 2.0Vp-p, single frequency driven pure tone. Measurements conducted with occluded IEC711 2cc coupler representing ear canal acoustic load. Directly connected without tubing, with wax filter and 7mm open dome.

Caution: Cannot be directly related to free-field environmental noise levels and limits as the amplification provided by the outer ear is not present with insert (in the ear canal) devices of this type. Speech inputs vary continuously and are not 'always on' reducing the total noise exposure; consequently, the average level will be considerably lower than the peak. Devices are not normally continuously in use for the entire eight-hours used to calculate daily free-field noise exposure limits; actual wearing time should be considered.

Other	
DC Input resistance	400±75ohms
Nominal operating voltage	1.0V rms
DC bias	Zero bias

Cable and Connection Options		Cable length: 140cm GPO B-Type Other custom adaptor termination upon request
Option 1	Unrestricted	Stereo 3.5mm gold plated TRS jack plug (Tip – POS Ring & Sleeve – GND)
Option 2	Limiter	Mono 3.5mm gold plated TS jack plug

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Measurement Report

Client: Hearing Electronics Limited, Unit 22 Blatchford Close, Horsham, RH13 5RG.

Date of measurements: 7th January 2020 Job Number: 68216 Engineer: A Sewell

Equipment: RIC Test

Items supplied: Invisicom -S RED, Invisicom -40 BLUE, Colour coded adaptors.

Test conditions

At the request of the client, the following measurements were carried out.

Each device was coupled to a B&K DB0138 (IEC126) 2cc coupler fitted with a B&K 4144 microphone. The 2cc coupler was then mounted on a B&K 4152 reference coupler. Each device under test were driven with the required peak to peak sign wave at the eight specified frequencies, in three different configurations. The output dB SPL from each device is recorded below.

Report Number 20007/1700/68216

Company registration number | 0393 4847 Registered in England and Wales. VAT registration number | GB 547 6510 31

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Invisicom -S RED

Test 1. Direct connection to RIC cable (no attenuation or limiting)

Input 2V peak to peak.

Freq (Hz)	Output dB SPL
250	104.3
500	104.1
1000	103.7
2000	106.2
3000	117.7
4000	121.3
6000	92.0
8000	90.4

Test 2. Connected via the LIMITER adaptor (colour coded RED)

Input 2V peak to peak.

Freq (Hz)	Output dB SPL
250	84.1
500	83.9
1000	84.0
2000	87.3
3000	99.2
4000	102.5
6000	73.9
8000	72.4

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Test Equipment

Larson Davis 824 SLM S/No 3152 Certificate No MTS-33662

Larson Davis PRM902 Pre-Amp S/No 3317 Certificate MTS-33662

B&K 4144 Microphone S/No 841426 Certificate AML-04961

B&K 4152 Reference Coupler S/No 829573 Certificate G003734

Agilent 34401A DMM S/No MY41028491 Certificate 1-8600210918-1A

Tektronix TDS3012B Scope S/No B030473 Certificate 1804923-1

TTI TGA1241 Waveform Generator S/No 183775 Certificate 1560477

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