

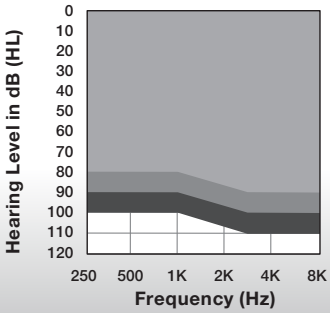
SoundGear Amp 2

ITE R

In-The-Ear Rechargeable

Fitting Range

- M
- P
- UP



Technical Data

Color Guide

Faceplate Colors

Chestnut Beige Black

Shell Colors

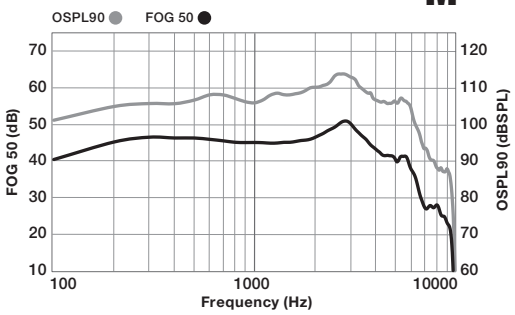
Clear Beige Black

Patient Features

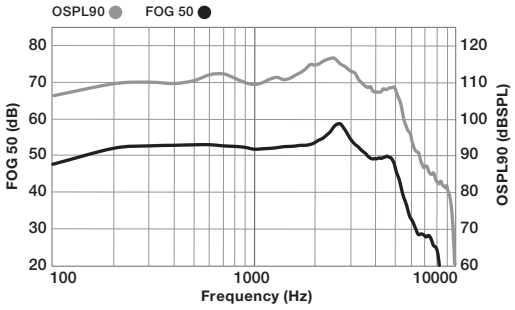
- IP Rating: 68
- Wireless Connectivity
- Rechargeable Battery
- Optional Telecoil
- Compatible with SoundGear Accessories

	M	P	UP	Matrices: M, P, UP Battery: Lithium-ion
Measurement	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	
Peak OSPL90 (dB SPL)	114	117	125	
HFA OSPL90 (dB SPL)	109	113	121	
Peak Gain (dB)	51	58	67	
HFA Full-On Gain (dB)	46	54	63	
Frequency Range (Hz)	<100-8300	<100-5700	<100-5300	
HFA Frequencies (kHz)	1.0,1.6,2.5	1.0,1.6,2.5	1.0,1.6,2.5	
Reference Test Gain (dB)	32	36	44	
Equivalent Input Noise (dB SPL) *Expansion On (Default)*	15	15	15	
Equivalent Input Noise (dB SPL) *Expansion Off*	25	25	25	
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	
800 Hz (%)	<3	<3	<3	
1600 Hz (%)	<3	<3	<3	
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)[1,2]	92	97	105	
MASL (IEC) (dB SPL)[1]	74	83	92	
Estimated Lithium-ion Battery Life*				
Without streaming (hrs)	Up to 42	Up to 42	Up to 42	
With streaming (hrs)	Up to 36	Up to 36	Up to 36	
Battery Current (mA)	0.9	0.9	0.9	

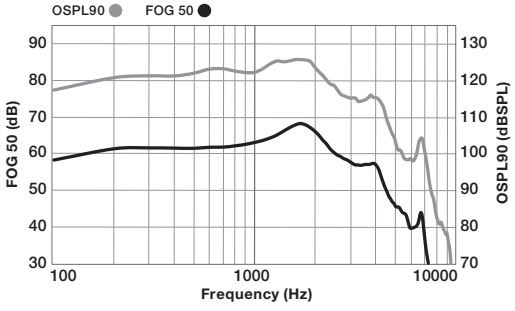
M



P



UP



[1]Devices built with a vertical coil orientation.
[2]HFA SPLITS values could be increased by up to 6 dB for horizontal coil orientation.

*Results will vary based on wireless usage.

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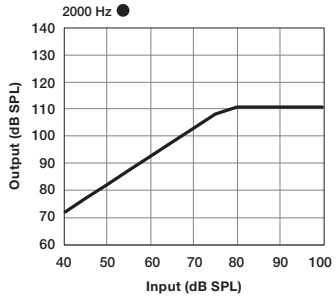
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ITE R

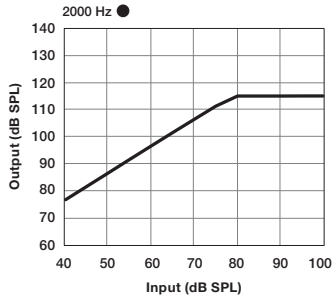
In-The-Ear Rechargeable

Technical Data

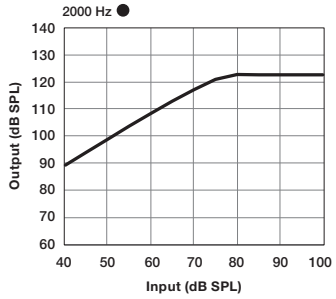
M



P



UP



Latency (ms)	4.3
Attack Time (ms)	3
Release Time (ms)	60

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SoundGear Amp 2

ITE R

In-The-Ear Rechargeable

Wireless Technical Description

Radio Technology

Bluetooth Low Energy

Frequency:	2.4 – 2.4835 GHz
Output Power:	-1.7 dBm
Modulation:	GFSK
Receiver Bandwidth:	1.5 mHz

Standards Applied

FCC ID (USA)

FCC ID: Left: EOA-24EDGITELCH
Right: EOA-24EDGITERCH

ISED Canada ID

IC: Left: 6903A- 24EDGITELCH
Right: 6903A- 24EDGITERCH

Special Features

Tested to and passed the following emissions and immunity tests

- IEC 60601-1-2 radiated emissions requirements for a Group 1 Class B device as stated in CISPR 11
- RF radiated immunity at a field level of 10 V/m between 80 MHz and 2.7 GHz
- RF radiated immunity to higher field levels from communications devices as stated in Table 9 of IEC 60601-1-2
- Immunity to power frequency magnetic fields at a field level of 30 A/m
- Immunity to proximity magnetic fields as defined in Table 11 of 60601-1-2.
- Immunity to ESD levels of +/- 8 kV conducted discharge and +/- 15 kV air discharge

General Information

These devices comply with part 15 of the FCC rules and with ISED Canada license-exempt RSS standards. Operation is subject to the following two conditions: (1) The device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Hereby, Starkey Laboratories, Inc. declares that the RIC RT is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. A copy of the Declaration of Conformity can be obtained from the address below or from docs.starkeyhearingtechnologies.com.

Hereby, Starkey Laboratories, Inc. declares that the RIC RT is in compliance with the UK Radio Equipment Regulations SI 2017 as amended. A copy of the UK Declaration of Conformity can be obtained from the following addresses and from docs.starkeyhearingtechnologies.com.

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