



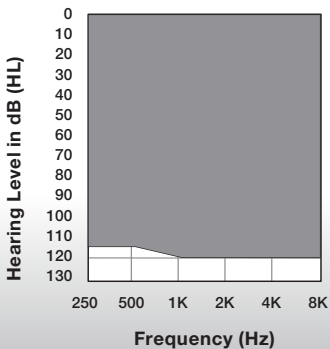
Starkey | Technical Data

# UP BTE 13

Behind-The-Ear

Fitting Range

● UP



G Series AI 24 | 20 | 16 | 12 | 10

Color Guide

Standard Colors



Patient Features

- IP Rating: 68
- Tinnitus Technology
- Wireless Connectivity
- Telecoil
- 2.4 GHz Radio
- Compatible with StarLink accessories

|                                           | Earhook                 |                    | Thin Tube               |                    | Matrices: 140/80<br>Battery Size: 13 |  |
|-------------------------------------------|-------------------------|--------------------|-------------------------|--------------------|--------------------------------------|--|
| Measurement                               | ANSI/IEC<br>2cc Coupler | IEC OES<br>Coupler | ANSI/IEC<br>2cc Coupler | IEC OES<br>Coupler |                                      |  |
| Peak OSPL90 (dB SPL)                      | 137                     | 141                | 131                     | 135                |                                      |  |
| HFA OSPL90 (dB SPL)                       | 131                     | N/A                | 116                     | N/A                |                                      |  |
| RTF OSPL90 (dB SPL)                       | N/A                     | 134                | N/A                     | 121                |                                      |  |
| Peak Gain (dB)                            | 78                      | 82                 | 76                      | 79                 |                                      |  |
| HFA Full-On Gain (dB)                     | 71                      | N/A                | 58                      | N/A                |                                      |  |
| RTF Full-On Gain (dB)                     | N/A                     | 77                 | N/A                     | 64                 |                                      |  |
| Frequency Range (Hz)                      | <100-6300               | <100-6500          | <100-5400               | <100-6700          |                                      |  |
| Reference Test Freq. (kHz)                | N/A                     | 1.6                | N/A                     | 1.6                |                                      |  |
| HFA Frequencies (kHz)                     | 1.0, 1.6, 2.5           | N/A                | 1.0, 1.6, 2.5           | N/A                |                                      |  |
| Reference Test Gain (dB)                  | 54                      | 59                 | 39                      | 46                 |                                      |  |
| Equivalent Input Noise (dB)               | 21                      | 21                 | 31                      | 30                 |                                      |  |
| Harmonic Distortion                       |                         |                    |                         |                    |                                      |  |
| 500 Hz (%)                                | <5                      | <5                 | <1                      | <1                 |                                      |  |
| 800 Hz (%)                                | <2                      | <1                 | <1                      | <2                 |                                      |  |
| 1600 Hz (%)                               | <1                      | <1                 | <2                      | <3                 |                                      |  |
| 3200 Hz (%)                               | <1                      | <1                 | <1                      | <2                 |                                      |  |
| Induction Coil Sensitivity                |                         |                    |                         |                    |                                      |  |
| HFA SPLITS (ANSI) (dB SPL)                | 115                     | N/A                | 101                     | N/A                |                                      |  |
| RSETS                                     | 1                       | N/A                | 2                       | N/A                |                                      |  |
| HFA-SPLIV                                 | 115                     | N/A                | 101                     | N/A                |                                      |  |
| RTLS / ETLS                               | 1                       | 1                  | 2                       | 0                  |                                      |  |
| RTF-SPLIV                                 | N/A                     | 120                | N/A                     | 106                |                                      |  |
| RTF-MASL                                  | N/A                     | 128                | N/A                     | 121                |                                      |  |
| Full-on HFA SPLIV                         | 114                     | N/A                | 108                     | N/A                |                                      |  |
| Battery Current (mA)                      | 1.8                     | 1.5                | 1.5                     | 1.1                |                                      |  |
| Estimated Battery Life<br>for 16-Hour Day |                         |                    |                         |                    |                                      |  |
| 13 Zinc Air (days)                        | 10-15*                  | 10-15*             | 10-15*                  | 10-15*             |                                      |  |

### Earhook

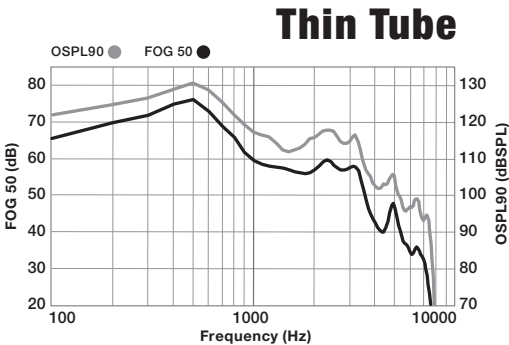
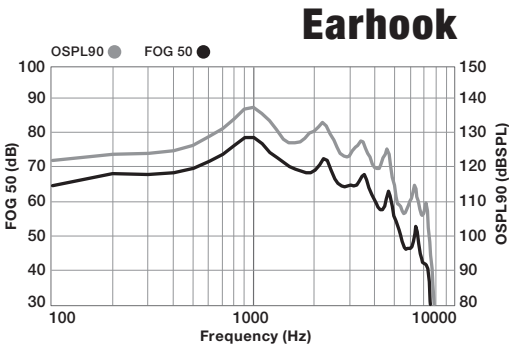
This graph displays the frequency response for the Earhook device. The x-axis represents Frequency in Hz on a logarithmic scale from 100 to 10,000. The left y-axis represents OSPL90 in dB (30 to 100), and the right y-axis represents FOG 50 in dB (80 to 150). The OSPL90 curve (grey line with dots) shows a peak of approximately 85 dB at 1,000 Hz. The FOG 50 curve (black line with dots) shows a peak of approximately 78 dB at 1,000 Hz. Both curves show a significant drop in response above 5,000 Hz.

| Frequency (Hz) | OSPL90 (dB) | FOG 50 (dB) |
|----------------|-------------|-------------|
| 100            | 70          | 65          |
| 1,000          | 85          | 78          |
| 10,000         | 40          | 35          |

### Thin Tube

This graph displays the frequency response for the Thin Tube device. The x-axis represents Frequency in Hz on a logarithmic scale from 100 to 10,000. The left y-axis represents OSPL90 in dB (30 to 100), and the right y-axis represents FOG 50 in dB (70 to 130). The OSPL90 curve (grey line with dots) shows a peak of approximately 80 dB at 1,000 Hz. The FOG 50 curve (black line with dots) shows a peak of approximately 75 dB at 1,000 Hz. Both curves show a significant drop in response above 5,000 Hz.

| Frequency (Hz) | OSPL90 (dB) | FOG 50 (dB) |
|----------------|-------------|-------------|
| 100            | 70          | 65          |
| 1,000          | 80          | 75          |
| 10,000         | 40          | 35          |



\*Results will vary based on wireless usage.



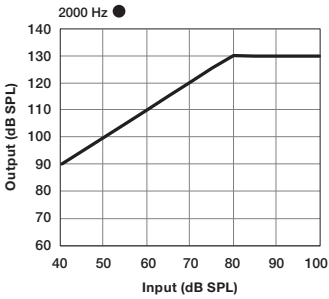
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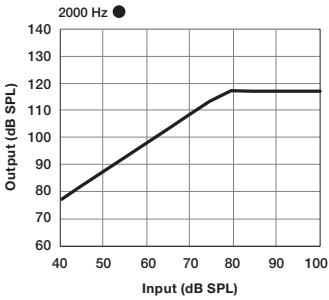
Behind-The-Ear

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## Earhook



## Thin Tube



|                   |    |
|-------------------|----|
| Latency (ms)      | <6 |
| Attack Time (ms)  | 3  |
| Release Time (ms) | 60 |