2026

PRODUCT SPECIFICATIONS BOOK

PERSONA MEDICAL

Table of Contents

EVOK Ri™

Series Ri: Wireless RIC

RECHARGEABLE

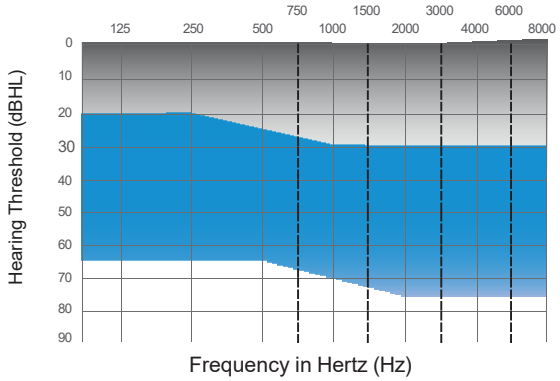
Characteristics:

- Made for Iphone Audio Streaming; Android Streaming
- Bluetooth Low Energy
- Speech-Focus Directional Low Noise Mems Microphones
- ALL-IN-ONE Adaptive Speech Enhancement
- 4 Selectable Memory Programs (button or app)
- Voice Alerts
- Multi-function Manual rocker VC / memory change
- Auto-Adaptation Feedback Shield
- Binaural Synchronization (Ear to Ear); Memory & Volume
- 8 AGCo /WDRC Channels /33 EQ Band programming
- 49 Channels Layered Noise Reduction
- 12KHz Bandwidth
- Wind Noise Reduction
- Impulse Noise Reduction
- Compatible with Noah/Noah link
- HydroCoat IP57 rating
- Li-ion Battery with low battery indicator
- USB Pocket size charging case (56-64Hr cap. = 1 full charge)
  (2.5-3Hr charge aids / 3.5-4Hr charge case)

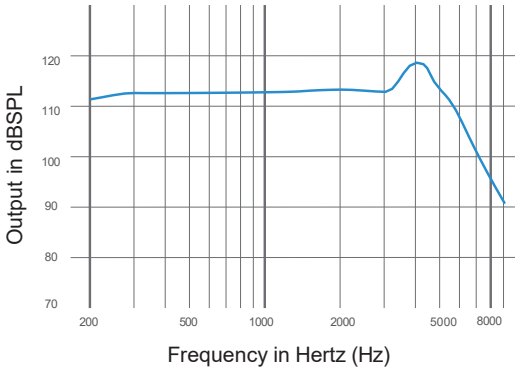
	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator *Standard/Power*
Maximum OSPL	115 dBSPL	124 dBSPL
OSPL90 @ 1600 Hz	N/A	122 dBSPL
HF Average OSPL90	110 dBSPL	N/A
Peak Gain	51 dB	63 dB
HFA Full-on Gain	48 dB	N/A
Full-on Gain @ 1600 Hz	N/A	61 dB
Reference Test Gain	33 dB	N/A
R.T.G @ 1600 Hz	N/A	45 dB
Frequency Range: f1-f2	200-8000 Hz	N/A
THD @ 500 Hz	< 2%	N/A
800 Hz	< 2%	N/A
1600 Hz	< 1%	< 2%
Equivalent Input Noise	<22 dB	<22 dB
Attack time	10 mS @ 2kHz*	10 mS @ 2kHz*
Release time	20 mS @ 2kHz*	20 mS @ 2kHz*
Latency	5.5 mS	5.5 mS
Battery Life (Li-ion Rechargeable)	47 Hrs use	47 Hrs use

*AGC not fully activated

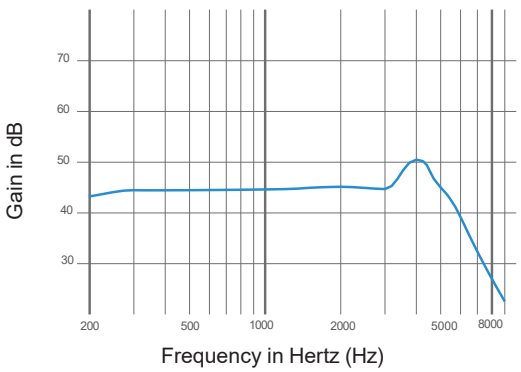
Fitting Range



OSPL90 Curves (ANSI)



FREQUENCY RESPONSE CURVE (ANSI)



PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

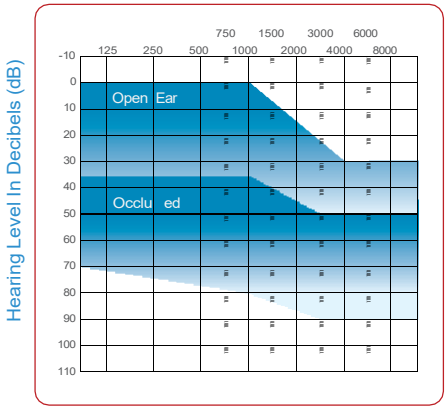
SOMBRA 9 Series & SOMBRA Wireless Series

SOMBRA

Actual Size

Sombra 9r series - Features

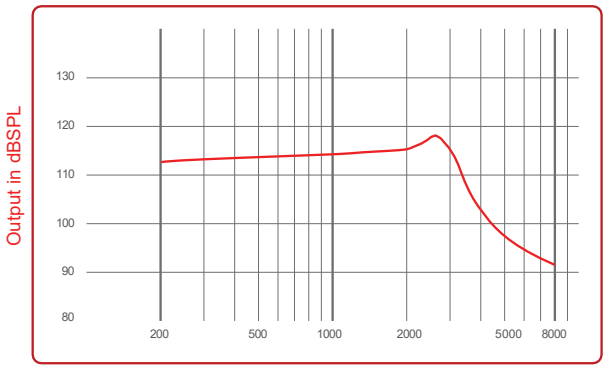
- Directional Microphones - Hyper-cardiod
- ALL-IN-ONE™ Adaptive Speech Enhancement
- Feedback path eliminator
- Telecoil
- Hydrocoat moisture barrier
- Environmental Classification Noise Reduction
- Adaptive Noise Reduction
- 9 Band Programming Control
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Digital Volume Control & Program Switch
- Low Battery Indicator
- NOAH / NOAH Link Compatible
- Data Logging
- 10kHz Bandwidth



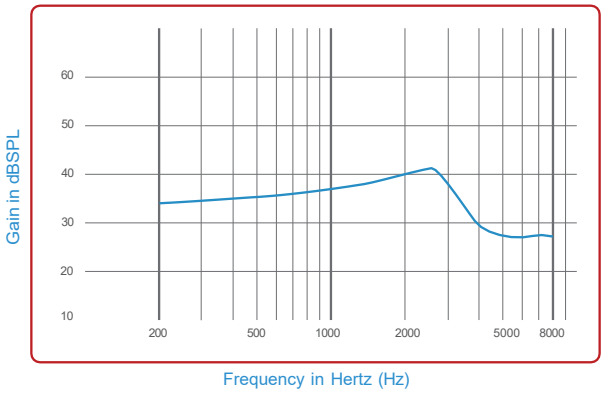
SOMBRA 9r

	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	117 dBSPL	125 dBSPL
OSPL90 @ 1600 Hz	N/A	123 dBSPL
HFAverage OSPL90	115 dBSPL	N/A
Peak Gain	58 dB	66 dB
HFA Full-On-Gain	53 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	61
Reference Test Gain	38 dB	N/A
R.T.G @ 1600 Hz	N/A	46 dB
Frequency Range (F1-F2)	200 - 7500 Hz	N/A
THD at 500 Hz	< 1%	NA
800 Hz	< 1%	NA
1600 Hz	< 1.5%	< 1.5%
Equivalent Input Noise	< 23 dB	< 23 dB
Attack Time	10mS @ 2kHz*	10mS @ 2kHz*
Release Time	125mS @ 2kHz*	125mS @ 2kHz*
Battery Current Drain	1.55 mA	1.55 mA
Battery Life [312]*	100 Hrs	100 Hrs
Telecoil Sensitivity	95 dB SPL	102 dB SPL

OSPL90 CURVE



FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

407.339.2422 | info@personamedical.com

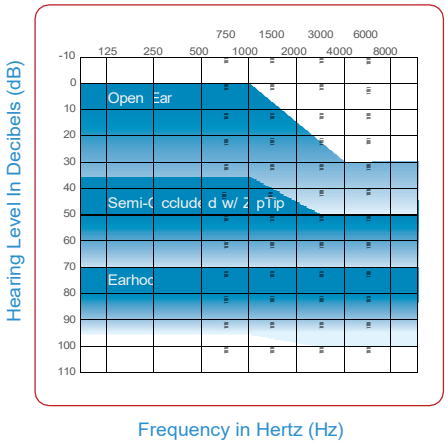
SOMBRA

SOMBRA 9s

	ANSI S3.22-2003 2CC Coupler Thin tube / Ear Hook	IEC-118-0 Ear Simulator Thin tube / Ear Hook
OSPL90 Maximum	123/130 dBSPL	131/138 dBSPL
OSPL90 @ 1600 Hz	N/A	122/130 dBSPL
HFAverage OSPL90	114/122 dBSPL	N/A
Peak Gain	60/64 dB	68/72 dB
HFA Full-On-Gain	54/57 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	63/65
Reference Test Gain	37/45 dB	N/A
R.T.G @ 1600 Hz	N/A	45/53 dB
Frequency Range Hz (F1-F2)	200-7100/7500	N/A
THD at 500 Hz	< 2%	N/A
800 Hz	< 2%	N/A
1600 Hz	< 2%	< 2%
Equivalent Input Noise	< 24/<23 dB	< 24/<23 dB
Attack Time	10mS @ 2kHz*	10mS @ 2kHz*
Release Time	125mS @ 2kHz*	125mS @ 2kHz*
Battery Current Drain	1.50/1.55 mA	1.50/1.55 mA
Battery Life [312]*	105/100 Hrs	105/100 Hrs
Telecoil Sensitivity	96/105 dB SPL	104/113 dB SPL

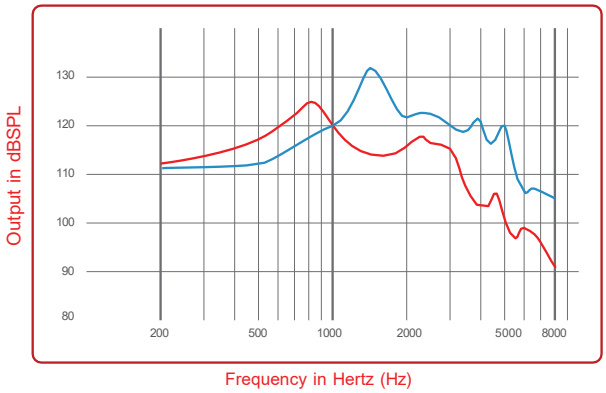
Sombra 9s series - Features

- Directional Microphones - Hyper-cardiod
- ALL-IN-ONE™ Adaptive Speech Enhancement
- Feedback path eliminator
- Telecoil
- Hydrocoat moisture barrier
- Environmental Classification Noise Reduction
- Adaptive Noise Reduction
- 9 Band Programming Control
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Digital Volume Control & Program Switch
- Low Battery Indicator
- NOAH / NOAH Link Compatible
- Data Logging
- 10kHz Bandwidth

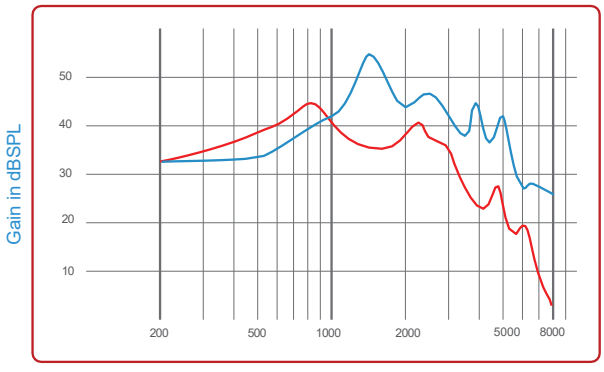


THIN TUBE BTE EARHOOK

OSPL90 CURVE



FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

407.339.2422 | info@personamedical.com

SOMBRA

Actual Size

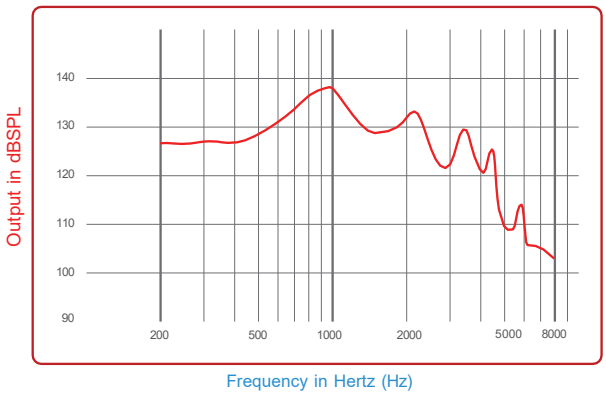
Sombra 9p series - Features

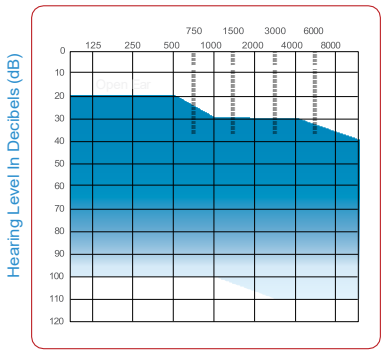
- Directional Microphones - Hyper-cardiod
- ALL-IN-ONE™ Adaptive Speech Enhancement
- Feedback path eliminator
- Telecoil
- Hydrocoat moisture barrier
- Environmental Classification Noise Reduction
- Adaptive Noise Reduction
- 9 Band Programming Control
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Digital Volume Control & Program Switch
- Speech Mapping Compatible w/ Graphic Equalizer
- Low Battery Indicator
- NOAH / NOAH Link Compatible
- Data Logging
- 10kHz Bandwidth

SOMBRA 9p

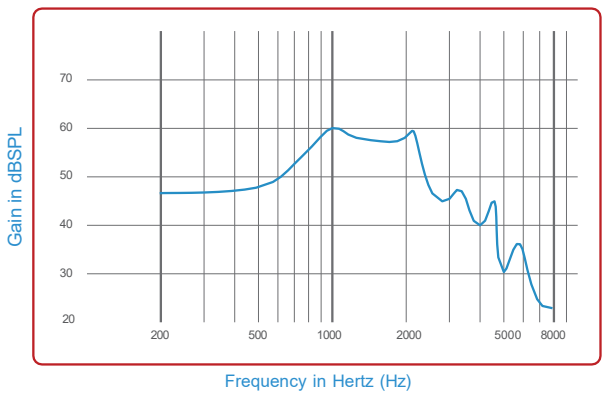
	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	137 dBSPL	144 dBSPL
OSPL90 @ 1600 Hz	N/A	136 dBSPL
HFAverage OSPL90	129 dBSPL	N/A
Peak Gain	70 dB	77 dB
HFA Full-On-Gain	65 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	72
Reference Test Gain	52 dB	N/A
R.T.G @ 1600 Hz	N/A	59 dB
Frequency Range (F1-F2)	100 - 8000 Hz	N/A
THD at 500 Hz	< 2%	N/A
800 Hz	< 2%	N/A
1600 Hz	< 2%	< 2%
Equivalent Input Noise	< 25 dB	< 25 dB
Attack Time	10mS @ 2kHz*	10mS @ 2kHz*
Release Time	125mS @ 2kHz*	125mS @ 2kHz*
Battery Current Drain	1.60 mA	1.60 mA
Battery Life [13]*	150 Hrs	150 Hrs
Telecoil Sensitivity	115 dB SPL	123 dB SPL

OSPL90 CURVE





FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

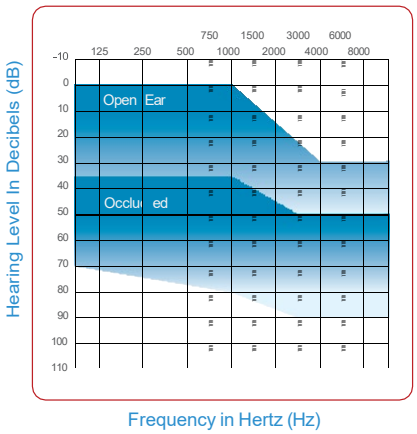
407.339.2422 | info@personamedical.com

SOMBRA

Actual Size

Sombra Vr 2.4GHz Bluetooth Audio Streaming - Features

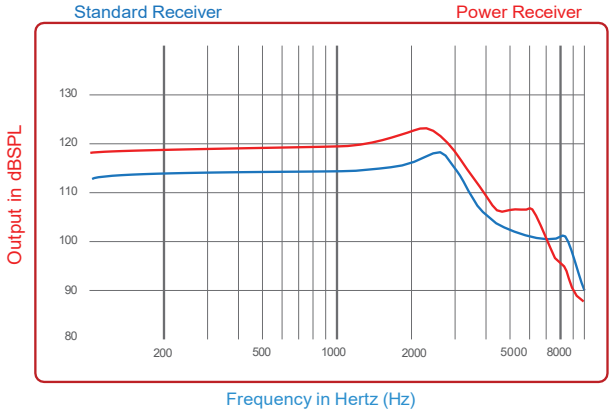
- Made for Iphone Audio Streaming : Android Streaming w/Freelink
- Auto & Fixed Directional Microphones
- ALL-IN-ONE™ Adaptive Speech Enhancement
- Auto Scene Detection (2 Environments)
- Freelink Companion Option (Stream music / television / cell)
- Auto-Adaptation Feedback Shield™
- Binaural Synchronization (Ear to Ear); Scene and Volume
- Hydrocoat moisture barrier
- 12 WDRC Band Programming
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Manual Rocker VC / Memory Change
- Geo-Data Tag Favorite Location Recall Memories (app req'd)
- Low Battery Indicator
- Wind Noise Reduction Algorithm
- NOAH / NOAH Link Compatible
- Wax-blocking RU connectors
- Hearing Aid Finder (app req'd)
- Expansion
- Data Logging



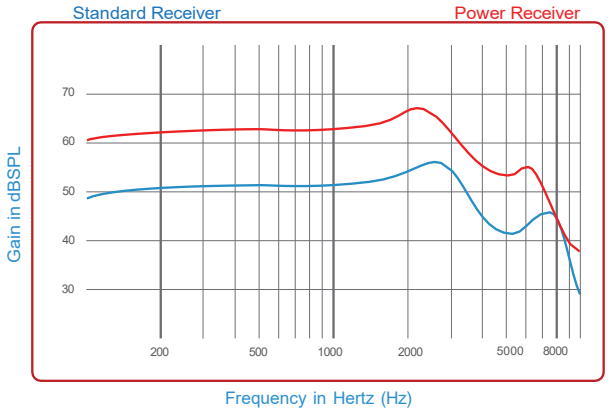
SOMBRA Vr

	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	117/122* dBSPL	124/129* dBSPL
OSPL90 @ 1600 Hz	N/A	122/127* dBSPL
HFAverage OSPL90	115/120* dBSPL	N/A
Peak Gain	56/67* dB	63/74* dB
HFA Full-On-Gain	54/64* dB	N/A
Full-On-Gain @ 1600 Hz	N/A	61/71* dB
Reference Test Gain	38/44* dB	N/A
R.T.G @ 1600 Hz	N/A	45/51* dB
Frequency Range (F1-F2)	200-8000 Hz	NA
	200-7100* Hz	N/A
THD at 500 Hz	< 2%	N/A
800 Hz	< 2%	< 2%
1600 Hz	< 1%	
Equivalent Input Noise	< 22 / 21* dB	< 22 / 21* dB
Attack Time	10mS @ 2kHz*	10mS @ 2kHz*
Release Time	20mS @ 2kHz*	20mS @ 2kHz*
Battery Current Drain	1.59 / 1.73* mA	1.59 / 1.73* mA
Battery Life [312]*	90 / 80* Hrs	90 / 80* Hrs
Battery Life (streaming)	65 / 60* Hrs	65 / 60* Hrs
	*Power Receiver	*Power Receiver

OSPL90 CURVE



FREQUENCY RESPONSE CURVE



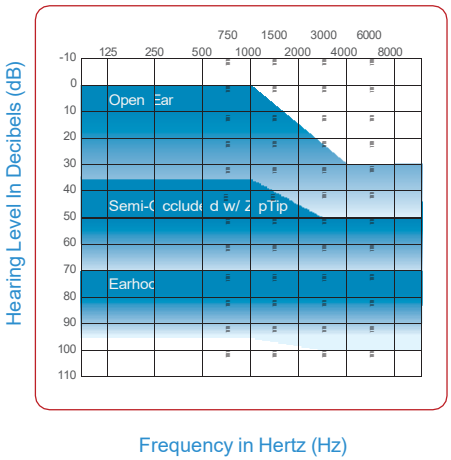
PERSONA® MEDICAL

407.339.2422 | info@personamedical.com

SOMBRA

Sombra Vs 2.4GHz Bluetooth Audio Streaming - Features

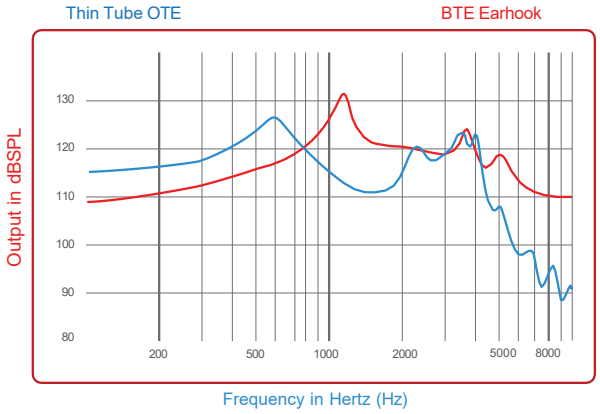
- Made for Iphone Audio Streaming : Android Streaming w/Freelink
- Auto & Fixed Directional Microphones
- ALL-IN-ONE™ Adaptive Speech Enhancement
- Auto Scene Detection (2 Environments)
- Freelink Companion Option (Stream music / television / cell)
- Auto-Adaptation Feedback Shield™
- Binaural Synchronization (Ear to Ear); Scene and Volume
- Hydrocoat moisture barrier
- 12 WDRC Band Programming
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Manual Rocker VC / Memory Change
- Geo-Data Tag Favorite Location Recall Memories (app req'd)
- Low Battery Indicator
- Wind Noise Reduction Algorithm
- NOAH / NOAH Link Compatible
- Hearing Aid Finder (app req'd)
- Expansion
- Data Logging



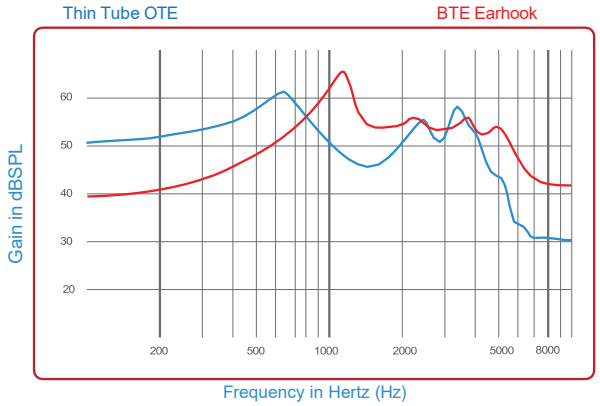
SOMBRA Vs

	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	127/131* dBSPL	134/138* dBSPL
OSPL90 @ 1600 Hz	N/A	122/132* dBSPL
HFAverage OSPL90	115/125* dBSPL	N/A
Peak Gain	62/67* dB	69/74* dB
HFA Full-On-Gain	50/60* dB	N/A
Full-On-Gain @ 1600 Hz	N/A	57/67* dB
Reference Test Gain	38/48* dB	N/A
R.T.G @ 1600 Hz	N/A	45/55* dB
Frequency Range (F1-F2)	200-6700 Hz	N/A
THD at 500 Hz	< 3%	N/A
800 Hz	< 2%	N/A
1600 Hz	< 2%	< 2%
Equivalent Input Noise	< 22 / 22* dB	< 26 / 22* dB
Attack Time	10mS @ 2kHz*	10mS @ 2kHz*
Release Time	20mS @ 2kHz*	20mS @ 2kHz*
Battery Current Drain	1.53 / 1.53* mA	1.53 / 1.53* mA
Battery Life [13]*	150 / 150* Hrs	150 / 150* Hrs
Battery Life (streaming)	100 / 100* Hrs	100 / 100* Hrs
	*BTE Earhook	*BTE Earhook

OSPL90 CURVE



FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

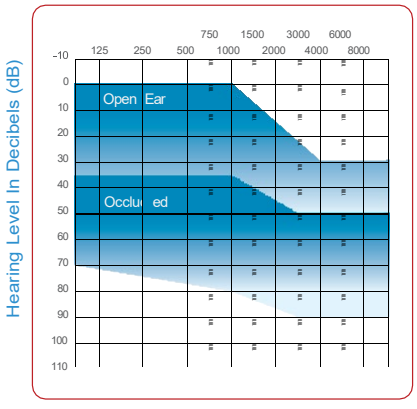
407.339.2422 | info@personamedical.com

SOMBRA

Actual Size

Sombra Xr 2.4GHz Bluetooth Audio Streaming - Features

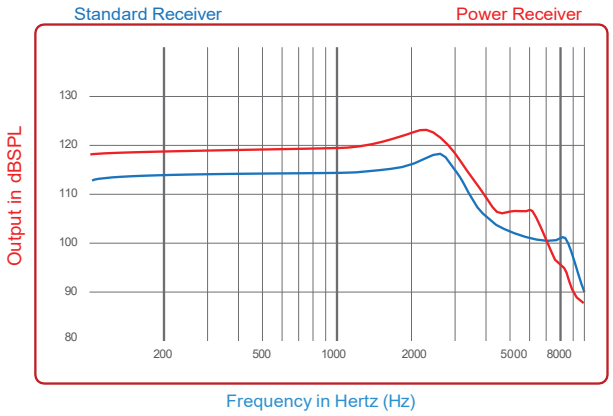
- Made for Iphone Audio Streaming : Android Streaming w/Freelink
- Speech-Focus™ Null Tracking Directional Microphones
- ALL-IN-ONE™ Adaptive Speech Enhancement
- Auto Scene Detection (6 Environments)
- Freelink Companion Option (Stream music / television / cell)
- Auto-Adaptation Feedback Shield™
- Binaural Synchronization (Ear to Ear); Scene and Volume
- Hydrocoat moisture barrier
- 16 WDRC Band Programming
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Manual Rocker VC / Memory Change
- Geo-Data Tag Favorite Location Recall Memories (app req'd)
- Low Battery Indicator
- Wind Noise Reduction Algorithm
- NOAH / NOAH Link Compatible
- Wax-blocking RU connectors
- Expansion
- Data Logging
- Hearing Aid Finder



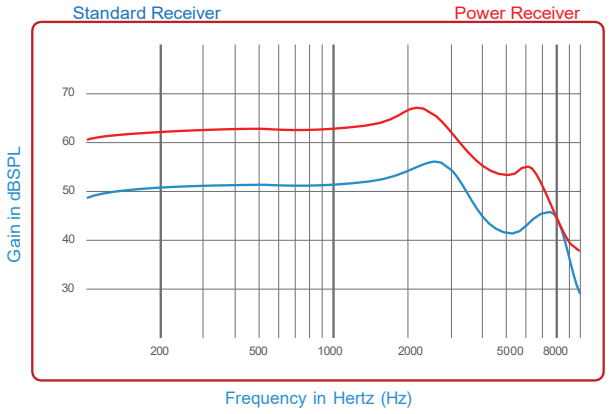
SOMBRA Xr

	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	117/122* dBSPL	124/129* dBSPL
OSPL90 @ 1600 Hz	N/A	122/127* dBSPL
HFAverage OSPL90	115/120* dBSPL	N/A
Peak Gain	56/67* dB	63/74* dB
HFA Full-On-Gain	54/64* dB	N/A
Full-On-Gain @ 1600 Hz	N/A	61/71* dB
Reference Test Gain	38/44* dB	N/A
R.T.G @ 1600 Hz	N/A	45/51* dB
Frequency Range (F1-F2)	200-8000 Hz 200-7100* Hz	NA N/A
THD at 500 Hz	< 2%	N/A
800 Hz	< 2%	< 2%
1600 Hz	< 1%	
Equivalent Input Noise	< 22 / 21* dB	< 22 / 21* dB
Attack Time	10mS @ 2kHz*	10mS @ 2kHz*
Release Time	20mS @ 2kHz*	20mS @ 2kHz*
Battery Current Drain	1.59 / 1.73* mA	1.59 / 1.73* mA
Battery Life [312]*	90 / 80* Hrs	90 / 80* Hrs
Battery Life (streaming)	65 / 60* Hrs	65 / 60* Hrs
	*Power Receiver	*Power Receiver

OSPL90 CURVE



FREQUENCY RESPONSE CURVE



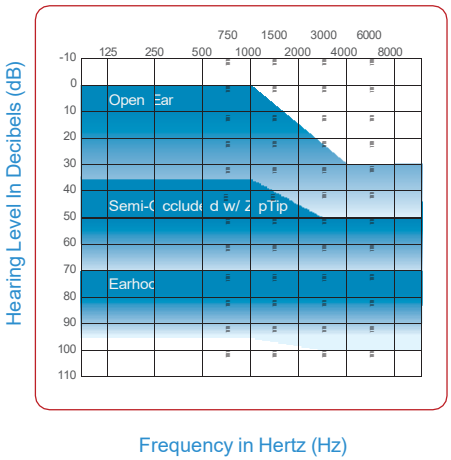
PERSONA® MEDICAL

407.339.2422 | info@personamedical.com

SOMBRA

Sombra Xs 2.4GHz Bluetooth Audio Streaming - Features

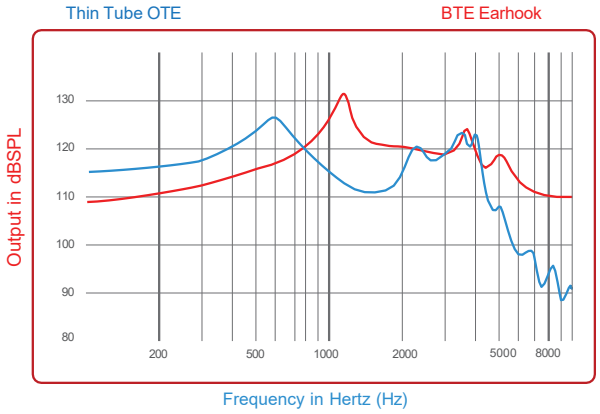
- Made for Iphone Audio Streaming: Android Streaming w/Freelink
- Auto & Fixed Directional Microphones
- ALL-IN-ONE™ Adaptive Speech Enhancement
- Auto Scene Detection (6 Environments)
- Freelink Companion Option (stream music / television / cell)
- Auto-Adaptation Feedback Shield™
- Binaural Synchronization (Ear to Ear); Scene and Volume
- Hydrocoat moisture barrier
- 16 WDRC Band Programming
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Manual Rocker VC / Memory Change
- Geo-Data Tag Favorite Location Recall Memories (app req'd)
- Low Battery Indicator
- Wind Noise Reduction Algorithm
- NOAH / NOAH Link Compatible
- Hearing Aid Finder (app req'd)
- Expansion
- Data Logging



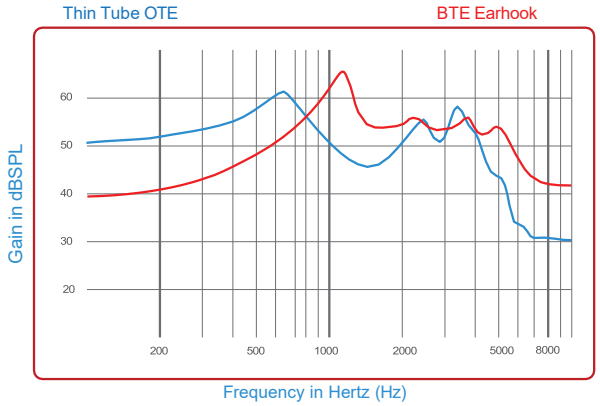
SOMBRA Xs

	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	127/131* dBSPL	134/138* dBSPL
OSPL90 @ 1600 Hz	N/A	122/132* dBSPL
HFAverage OSPL90	115/125* dBSPL	N/A
Peak Gain	62/67* dB	69/74* dB
HFA Full-On-Gain	50/60* dB	N/A
Full-On-Gain @ 1600 Hz	N/A	57/67* dB
Reference Test Gain	38/48* dB	N/A
R.T.G @ 1600 Hz	N/A	45/55* dB
Frequency Range (F1-F2)	200-6700 Hz	N/A
THD at 500 Hz	< 3%	N/A
800 Hz	< 2%	N/A
1600 Hz	< 2%	< 2%
Equivalent Input Noise	< 22 / 22* dB	< 26 / 22* dB
Attack Time	10mS @ 2kHz*	10mS @ 2kHz*
Release Time	20mS @ 2kHz*	20mS @ 2kHz*
Battery Current Drain	1.53 / 1.53* mA	1.53 / 1.53* mA
Battery Life [13]*	150 / 150* Hrs	150 / 150* Hrs
Battery Life (streaming)	100 / 100* Hrs	100 / 100* Hrs
	*BTE Earhook	*BTE Earhook

OSPL90 CURVE



FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

407.339.2422 | info@personamedical.com

Ole' Series

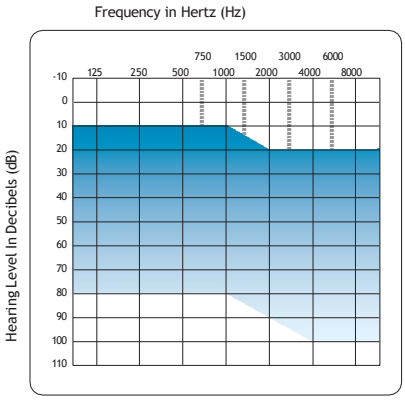
Ole™ Full Shell

Features

- Toggle VC/MM Switch
- Feedback Shield
- Data logging
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- 12 Band, 8 Channel Processing
- 4 Programmable Memories
- Memory Change Indicator w/Adjust-able Level & Frequency
- Low Battery Indicator
- Power on delay w/Adjustable Level
- Wax Barrier/Wind Screen
- Speech Mapping Compatible w/ Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

Options:

- Multi Memory Push Button
- Speech Pro Auto Fit
- Tele-Solutions
- Tinnitus Masker
- Power Matrix
- Digital Volume Control
- Analog VC or SSVC with Enhanced Taper Control
- Focus Mic System
- Rechargeable

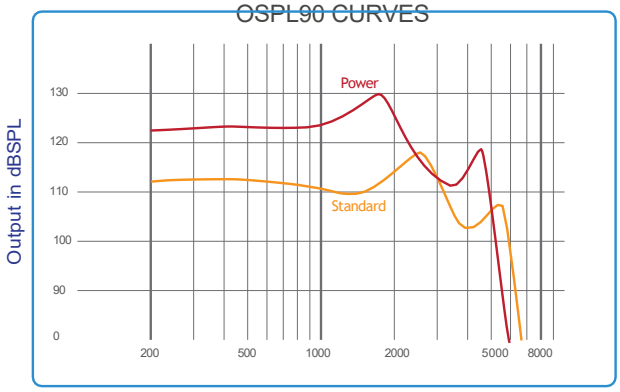


	ANSI S3.22-2003 2CC Coupler *Standard/Power*	IEC-118-0 Ear Simulator *Standard/Power*
OSPL90 Maximum	120/130 dB SPL	128/138 dB SPL
OSPL90 @ 1600 Hz	N/A	123/132 dB SPL
HFAverage OSPL90	115/124 dB SPL	N/A
Peak Gain	55/65 dB	63/72 dB
HFA Full-On-Gain	50/60 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	58/68 dB
Reference Test Gain	38/47 dB	N/A
R.T.G @ 1600 Hz	N/A	46/55 dB
Frequency Range (F1-F2)	200 - 8000 Hz	N/A
THD at 500 Hz	< 3%	N/A
800 Hz	< 3%	N/A
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 26 dB SPL	< 26 dB SPL
Attack Time	6mS @ 2kHz*	6mS @ 2kHz*
Release Time	30mS @ 2kHz*	30mS @ 2kHz*
Telephone Coil Sensitivity (SPLITS)	98/107 dB SPL	106/115 dB SPL
Battery Current Drain	.95/1.2 mA	.95/1.2 mA
Battery Life [13]	284/180 Hrs	284/180 Hrs

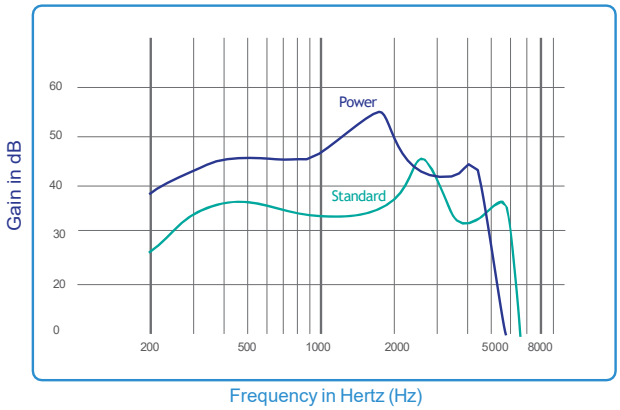
Rechargeable 8 hour Charge, 16 hour use
(standard matrix only, 120/55)

*AGC not fully activated

OSPL90 CURVES



FREQUENCY RESPONSE CURVE
60 dB SPL input at RTG



PERSONA® MEDICAL
800.789.6543 | info@personamedical.com

Ole Half Shell

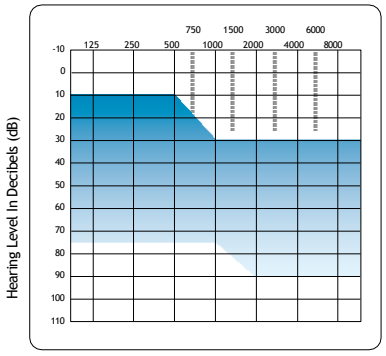
Features

- Toggle VC/MM Switch
- Feedback Shield
- Data logging
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- 12 Band, 8 Channel Processing
- 4 Programmable Memories
- Memory Change Indicator w/Adjust-able Level & Frequency
- Low Battery Indicator
- Power on delay w/Adjustable Level
- Wax Barrier/Wind Screen
- Speech Mapping Compatible w/ Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

Options:

- Multi Memory Push Button
- AirTouch Multi Memory
- Speech Pro Auto Fit
- Tele-Solutions
- Tinnitus Masker
- Power Matrix
- Digital Volume Control
- Analog VC or SSVC with Enhanced Taper Control
- Focus Mic System

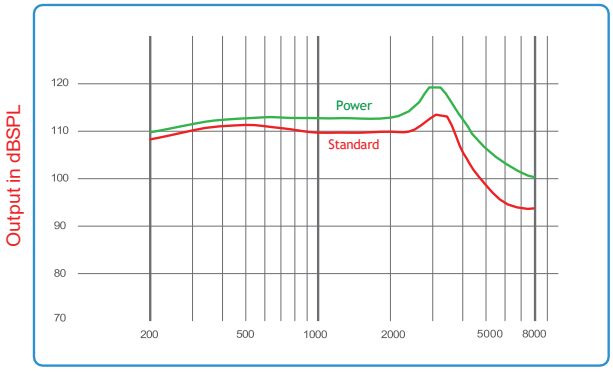
Frequency in Hertz (Hz)



	ANSI S3.22-2003 2CC Coupler *Standard/Power*	IEC-118-0 Ear Simulator *Standard/Power*
OSPL90 Maximum	115/120 dBSPL	123/128 dBSPL
OSPL90 @ 1600 Hz	N/A	118/123 dBSPL
HFAverage OSPL90	110/115 dBSPL	N/A
Peak Gain	50/58 dB	58/66 dB
HFA Full-On-Gain	52/60 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	43/51 dB
Reference Test Gain	33/38 dB	N/A
R.T.G @ 1600 Hz	N/A	41/46 dB
Frequency Range (F1-F2)	200 - 8000 Hz	N/A
THD at 500 Hz	< 3%	N/A
800 Hz	< 3%	N/A
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 26 dB SPL	< 26 dB SPL
Attack Time	6mS @ 2kHz*	6mS @ 2kHz*
Release Time	30mS @ 2kHz*	30mS @ 2kHz*
Telephone Coil Sensitivity (SPLITS)	93/98 dB SPL	100/105 dB SPL
Battery Current Drain	.95/1.2 mA	.95/1.2 mA
Battery Life [312]	160/126 Hrs	160/126 Hrs

*AGC not fully activated

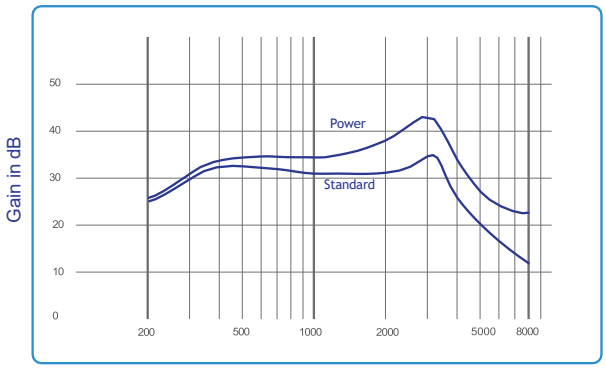
OSPL90 CURVES



Frequency in Hertz (Hz)

FREQUENCY RESPONSE CURVE

60 dB SPL input at RTG



Frequency in Hertz (Hz)

PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

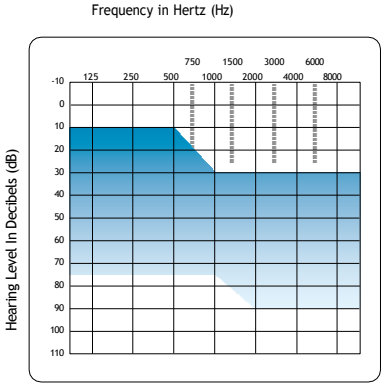
Olé Canal

Features

- Toggle VC/MM Switch
- Feedback Shield
- Data logging
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- 12 Band, 8 Channel Processing
- 4 Programmable Memories
- Memory Change Indicator w/Adjust-able Level & Frequency
- Low Battery Indicator
- Power on delay w/Adjustable Level
- Wax Barrier/Wind Screen
- Speech Mapping Compatible w/ Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

Options:

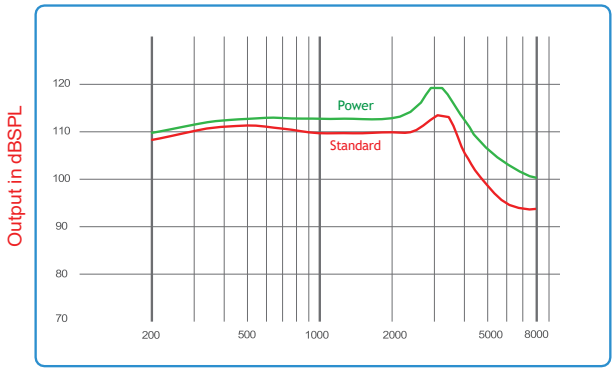
- Digital Volume Control
- Tele-Solutions
- Analog VC or SSVC with Enhanced Taper Control
- AirTouch Multi Memory
- Multi Memory Push Button
- Speech Pro Auto Fit
- Tinnitus Masker
- Power Matrix



	ANSI S3.22-2003 2CC Coupler *Standard/Power*	IEC-118-0 Ear Simulator *Standard/Power*
OSPL90 Maximum	115/120 dBSPL	123/128 dBSPL
OSPL90 @ 1600 Hz	N/A	118/123 dBSPL
HFAverage OSPL90	110/115 dBSPL	N/A
Peak Gain	50/58 dB	58/66 dB
HFA Full-On-Gain	45/53 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	43/51 dB
Reference Test Gain	33/38 dB	N/A
R.T.G @ 1600 Hz	N/A	41/46 dB
Frequency Range (F1-F2)	200 - 8000 Hz	N/A
THD at 500 Hz	< 3%	N/A
800 Hz	< 3%	N/A
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 26 dB SPL	< 26 dB SPL
Attack Time	6mS @ 2kHz*	6mS @ 2kHz*
Release Time	30mS @ 2kHz*	30mS @ 2kHz*
Telephone Coil Sensitivity (SPLITS)	93/98 dB SPL	100/105 dB SPL
Battery Current Drain	.95/1.2 mA	.95/1.2 mA
Battery Life [312]	160/126 Hrs	160/126 Hrs

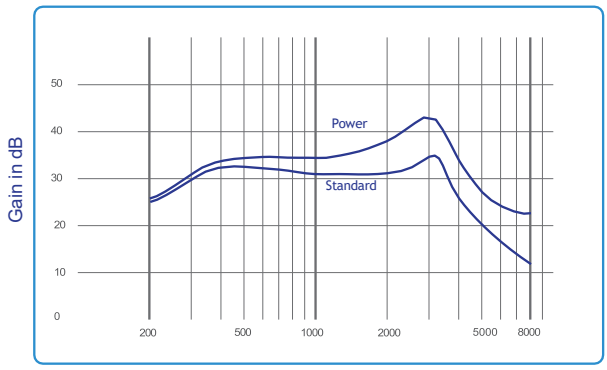
*AGC not fully activated

OSPL90 CURVES



FREQUENCY RESPONSE CURVE

60 dB SPL input at RTG



PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

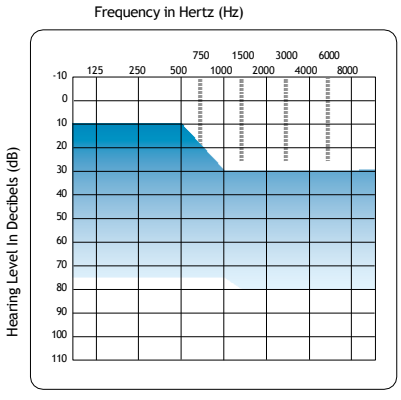
Olé Mini

Features

- Toggle VC/MM Switch
- Feedback Shield
- Data logging
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- 12 Band, 8 Channel Processing
- 4 Programmable Memories
- Memory Change Indicator w/Adjust-able Level & Frequency
- Low Battery Indicator
- Power on delay w/Adjustable Level
- Wax Barrier/Wind Screen
- Speech Mapping Compatible w/ Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

Options:

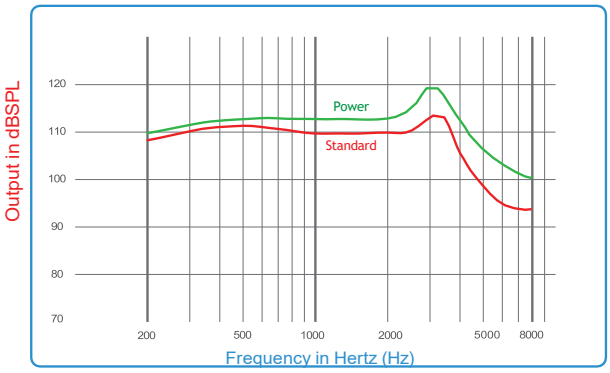
- Digital Volume Control
- Analog VC or SSVC with Enhanced Taper Control
- AirTouch Multi Memory
- Multi Memory Push Button
- Speech Pro Auto Fit
- Tinnitus Masker
- Power Matrix



	ANSI S3.22-2003 2CC Coupler *Standard/Power*	IEC-118-0 Ear Simulator *Standard/Power*
OSPL90 Maximum	115/120 dB SPL	123/128 dB SPL
OSPL90 @ 1600 Hz	N/A	118/123 dB SPL
HFAverage OSPL90	110/115 dB SPL	N/A
Peak Gain	48/56 dB	40/48 dB
HFA Full-On-Gain	35/43 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	43/51 dB
Reference Test Gain	33/38 dB	N/A
R.T.G @ 1600 Hz	N/A	41/46 dB
Frequency Range (F1-F2)	200 - 8000 Hz	N/A
THD at 500 Hz	< 3%	N/A
800 Hz	< 3%	N/A
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 26 dB SPL	< 26 dB SPL
Attack Time	6mS @ 2kHz*	6mS @ 2kHz*
Release Time	30mS @ 2kHz*	30mS @ 2kHz*
Battery Current Drain	.95/1.2 mA	.95/1.2 mA
Battery Life [10A]	84/65 Hrs	84/65 Hrs

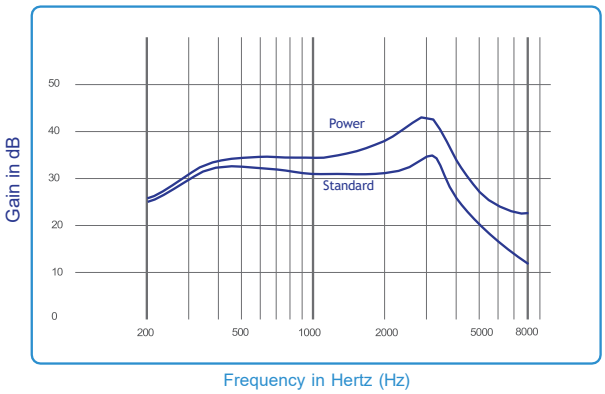
*AGC not fully activated

OSPL90 CURVES



FREQUENCY RESPONSE CURVE

60 dB SPL input at RTG



PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

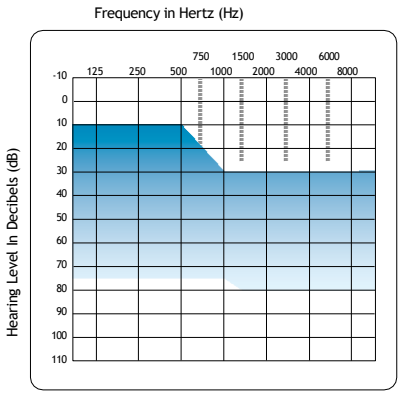
Olé CIC

Features

- Toggle VC/MM Switch
- Feedback Shield
- Data logging
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- 12 Band, 8 Channel Processing
- 4 Programmable Memories
- Memory Change Indicator w/Adjustable Level & Frequency
- Low Battery Indicator
- Power on delay w/Adjustable Level
- Wax Barrier/Wind Screen
- Speech Mapping Compatible w Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

Options:

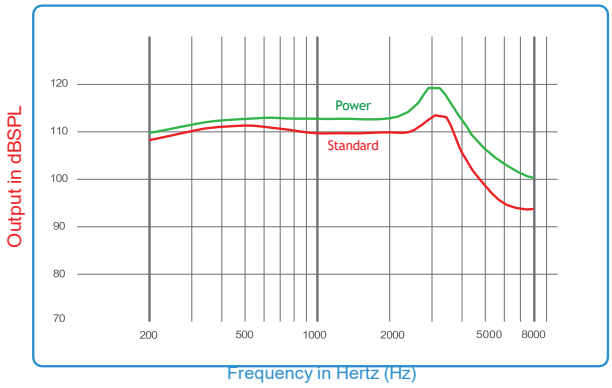
- Digital Volume Control
- SSVC with Enhanced Taper Control
- AirTouch Multi Memory
- Multi Memory Push Button
- Speech Pro Auto Fit
- Tinnitus Masker
- Power Matrix



	ANSI S3.22-2003 2CC Coupler *Standard/Power*	IEC-118-0 Ear Simulator *Standard/Power*
OSPL90 Maximum	115/120 dBSPL	123/128 dBSPL
OSPL90 @ 1600 Hz	N/A	118/123 dBSPL
HFAverage OSPL90	110/115 dBSPL	N/A
Peak Gain	40/48 dB	48/56 dB
HFA Full-On-Gain	35/43 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	43/51 dB
Reference Test Gain	33/38 dB	N/A
R.T.G @ 1600 Hz	N/A	41/46 dB
Frequency Range (F1-F2)	200 - 8000 Hz	N/A
THD at 500 Hz	< 3%	N/A
800 Hz	< 3%	N/A
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 26 dB SPL	< 26 dB SPL
Attack Time	6mS @ 2kHz*	6mS @ 2kHz*
Release Time	30mS @ 2kHz*	30mS @ 2kHz*
Battery Current Drain	.95/1.2 mA	.95/1.2 mA
Battery Life [10A]	84/65 Hrs	84/65 Hrs

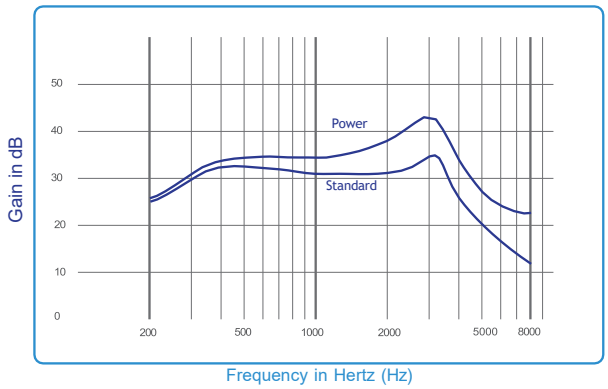
*AGC not fully activated

OSPL90 CURVES



FREQUENCY RESPONSE CURVE

60 dB SPL input at RTG



PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

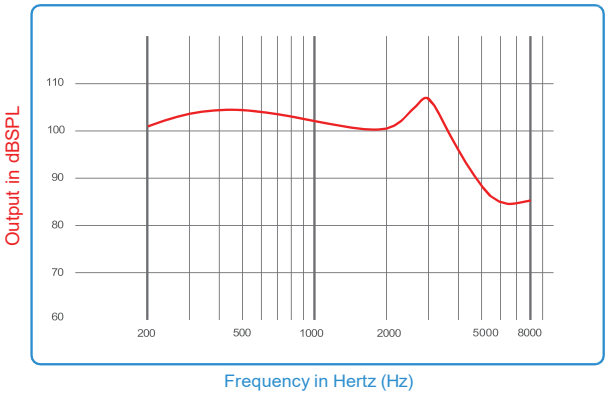
Features

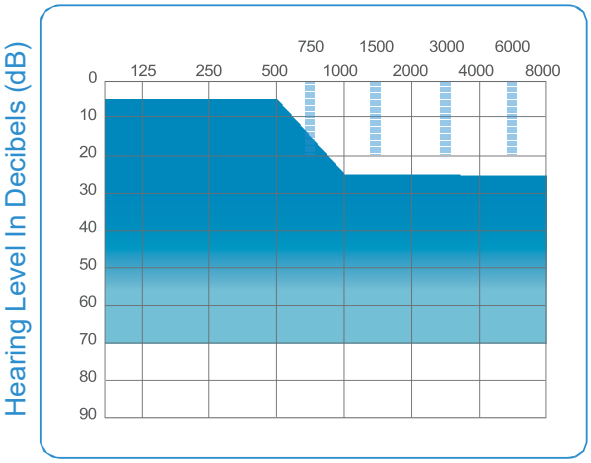
- Digital / Programmable
- Deep Fitting CIC 10A Device
- AirTouch™ Multi Memory
- 4 Programmable Memories
- Memory Change Indicator
- Low Battery Indicator
- Premier Feedback Shield™
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement
- 12 Band, 8 Channel Processing
- Adjustable Power on Delay
- Wax Barrier / Wind Screen
- Tinnitus Masker (Option)
- Low Group Delay - 5 ms
- SpeechPro (Option)
- NOAH Compatible
- Black Faceplate (Option)
- Digital Shell in Beige Only

	ANSI S3.22-2003 1CC Coupler	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	120 dBSPL	107 dBSPL	109 dBSPL
OSPL90 @ 1600 Hz	N/A	N/A	104 dBSPL
HFAverage OSPL90	116 dBSPL	103 dBSPL	N/A
Peak Gain	42 dB	32 dB	29 dB
HFA Full-On-Gain	37 dB	27 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	N/A	32 dB
Reference Test Gain	39 dB	26 dB	N/A
R.T.G @ 1600 Hz	N/A	N/A	31 dB
Frequency Range (F1-F2)	200 - 8000 Hz	200 - 8000 Hz	N/A
THD at 500 Hz	< 2%	< 2%	N/A
800 Hz	< 2%	< 2%	N/A
1600 Hz	< 2%	< 2%	< 2%
Equivalent Input Noise	< 25 dB	< 25 dB	< 25 dB
Attack Time	6mS @ 2kHz*	6mS @ 2kHz*	8mS @ 2kHz*
Release Time	70mS @ 2kHz*	70mS @ 2kHz*	70mS @ 2kHz*
Battery Current Drain	0.75 mA	0.75 mA	0.78 mA
Battery Life [10A]	106 Hrs	106 Hrs	102 Hrs

*AGC not fully activated

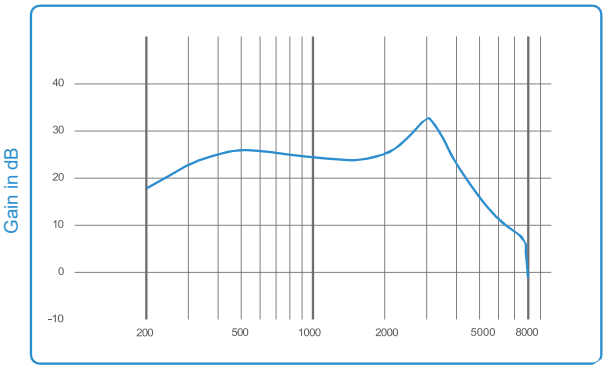
OSPL90 CURVE





Frequency in Hertz (Hz)

FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

EVoK Series

EVOK™

1600 Series

Actual Size

Features

16 bands, 16 channels processing
Adaptive Directional Microphones
Tri-Mode Layered Noise Reduction
Memories - 4 manual push-button
Dynamic Speech Enhancement
Mem/Low Battery Voice Prompts
Digital Volume Control w/ Max/Min Voice Prompts
Volume/Memory Retention after Power Cycle
Feedback Shield™
Telecoil
Wind Noise Suppression
Hydrocoat™
NOAH / NOAH Link Compatible
Datalogging

Smart Phone APP Features

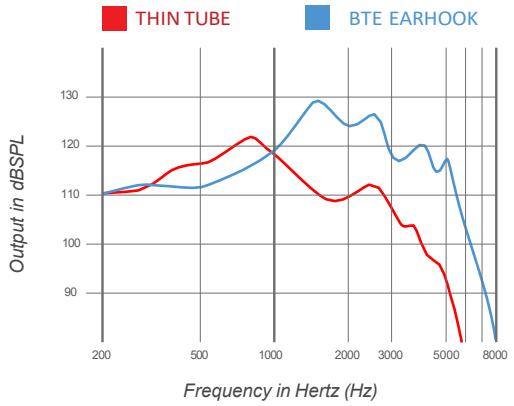
Smartphone App (IOS / ANDROID)
Bluetooth Rapid Updates BRU™
Digital Volume Control
Memory / Program Change / 4 Presets
6 band Equalizer / Bass Boost & Loudness Controls
Companion Microphone (Optional)

PERSONA® MEDICAL

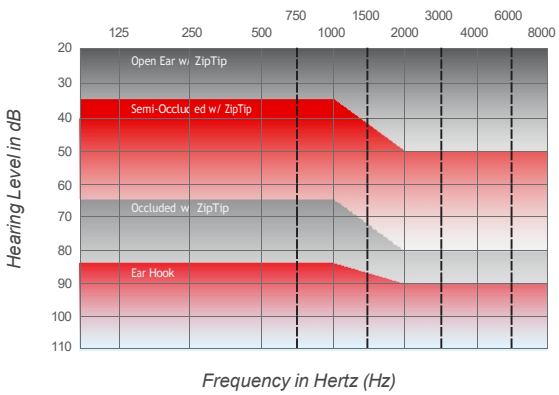
	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
	Thin Tube / Earhook	Thin Tube / Earhook
OSPL90 Maximum	122 / 129 dBSPL	129 / 136 dBSPL
OSPL90 @ 1600 Hz	112 / 123 dBSPL	N/A
HFAverage OSPL90	N/A	118 / 130 dBSPL
Peak Gain	57 / 68 dB	63 / 76 dB
HFA Full-On-Gain	52 / 60 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	58 / 70 dB
Reference Test Gain	36 / 47 dB	
R.T.G @ 1600 Hz		43 / 53 dB
Frequency Range (F1-F2)	200-6300 Hz	N/A
THD at 500 Hz	< 3%	< 3%
800 Hz	< 3%	< 3%
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 29/< 25 dBSPL	< 29/< 25 dBSPL
Tele-Coil Sensitivity	95 / 107 dBSPL	104 / 115 dBSPL
Attack Time	10 mS @ 2kHz	10 mS @ 2kHz
Release Time	70 mS @ 2kHz	70 mS @ 2kHz
Battery Current Drain	1.50/1.60 mA	1.50/1.60 mA
Battery Life [312]	100/95 hrs	100/95 hrs

*AGC not fully activated

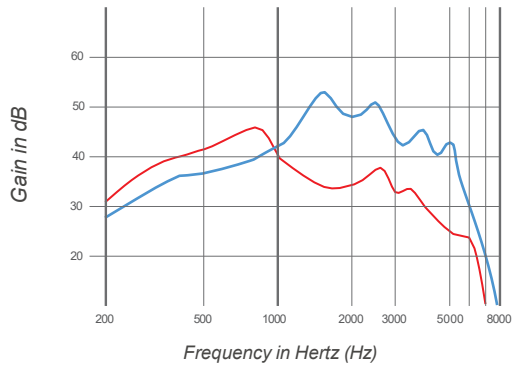
OSPL90 Curves



Fitting Range



Frequency Response Curves



800.789.6543 | info@personamedical.com

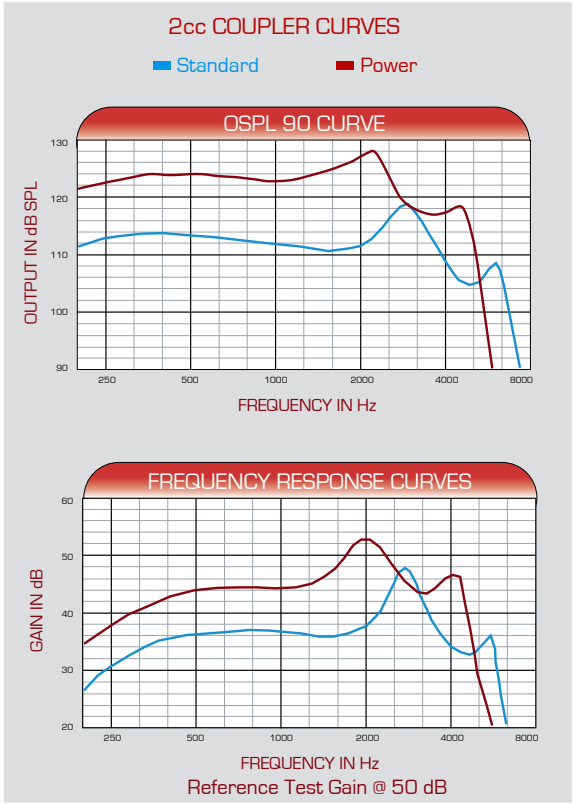
FULL SHELL

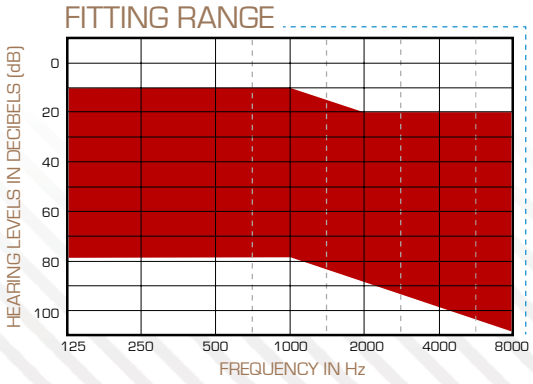
EVOK 900 SPECIFICATIONS

Ear Simulator [IEC-118-0]*	Standard / Power
OSPL90 Maximum	128/ 138 dBSPL
OSPL90 @ 1600 Hz	123/ 132 dBSPL
Peak Gain	63/ 72 dB
Full-On-Gain @ 1600 Hz	58/ 68 dB
R.T.G @ 1600 Hz	46/ 55 dB
Frequency Range: f1-f2	200-8000 Hz
THD at 500 Hz	< 3%
800 Hz	< 3%
1600 Hz	< 3%
Eq. Input Noise Level	< 26 dBSPL
Attack / Release Time	6 / 30 mS @ 2kHz
Tele-Coil Sensitivity	106/ 115 dBSPL
Battery Current Drain	0.95/ 1.5mA
Battery Life [13]	284/ 180 hrs

2cc Coupler [ANSI S3.22-1996]*	Standard / Power
OSPL90 Maximum	120/ 130 dBSPL
HF Average OSPL90	115/ 124dBSPL
Peak Gain	55/65 dB
HFA Full-On-Gain	50/ 60 dB
Reference Test Grain	38/ 47 dB
Frequency Range: f1-f2	200-8000 Hz
THD at 500 Hz	< 3%
800 Hz	< 3%
1600 Hz	< 3%
Eq. Input Noise Level	< 26 dBSPL
Attack / Release Time	6 / 30 mS @ 2kHz
Tele-Coil Sensitivity	98/ 107 dBSPL
Battery Current Drain	0.95/ 1.5 mA
Battery Life [13]	284/ 180 hrs

*Test Settings Provided Upon Request





- Speech-Pro™ Auto Fit (Optional)
- Data Logging
- Focus-Mic System™ (Optional)
- Telesolutions™ (Optional)
- Power Matrix (Optional) and Rechargeable (Optional)
- Feedback Shield™
- Digital Volume Control
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- VC w/ Enhanced Taper Control (Optional)
- 12 Bands, 8 Channels
- 4 Programmable Memories
- Memory Change Indicator w/ Adjustable Level and Frequency
- Low Battery Indicator
- Power on Delay w/ Adjustable Level
- Speech Mapping Compatible w/ Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

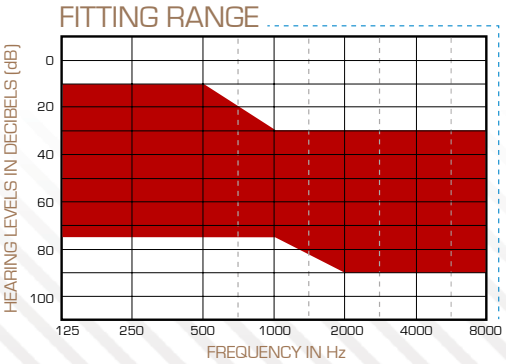
PERSONA MEDICAL

HALF SHELL AND CANAL

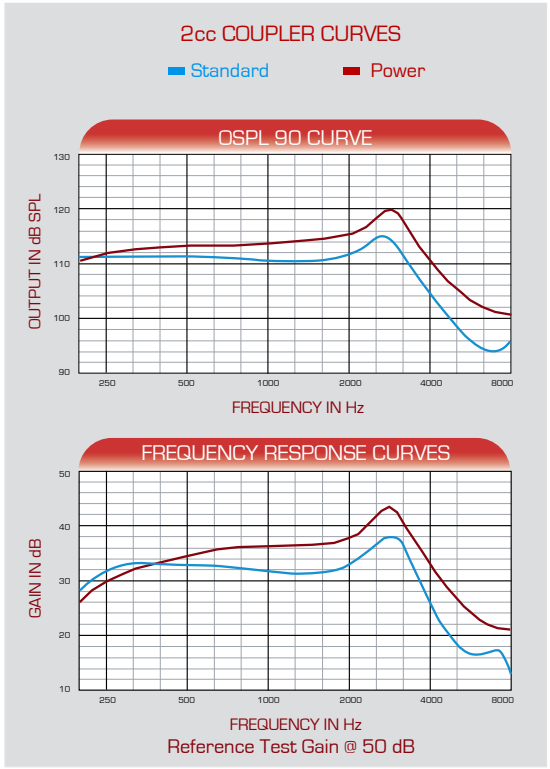
EVOK 900 SPECIFICATIONS

Ear Simulator [IEC-118-0]*	Standard/ Power	2cc Coupler [ANSI S3.22-1996]*	Standard/ Power
OSPL90 Maximum	123/ 128 dBSPL	OSPL90 Maximum	115/ 120 dBSPL
OSPL90 @ 1600 Hz	118/ 123 dBSPL	HF Average OSPL90	110/ 115dBSPL
Peak Gain	58/ 66 dB	Peak Gain	50/ 58 dB
Full-On-Gain @ 1600 Hz	52/ 60 dB	HFA Full-On-Gain	45/ 53 dB
R.T.G @ 1600 Hz	41/ 46 dB	Reference Test Grain	33/ 38 dB
Frequency Range: f1-f2	200-8000 Hz	Frequency Range: f1-f2	200-8000 Hz
THD at 500 Hz	< 3%	THD at 500 Hz	< 3%
800 Hz	< 3%	800 Hz	< 3%
1600 Hz	< 3%	1600 Hz	< 3%
Eq. Input Noise Level	< 26 dBSPL	Eq. Input Noise Level	< 26 dBSPL
Attack / Release Time	6 / 30 mS @ 2kHz	Attack / Release Time	6 / 30 mS @ 2kHz
Tele-Coil Sensitivity	100/ 105 dBSPL	Tele-Coil Sensitivity	93/ 98 dBSPL
Battery Current Drain	0.95/ 1.2 mA	Battery Current Drain	0.95/ 1.2 mA
Battery Life [312A]	160/ 126 hrs	Battery Life [312A]	160/ 126 hrs

*Test Settings Provided Upon Request



- Speech-Pro™ Auto Fit (Optional)
- Data Logging
- Focus-Mic System™ (Optional)
- Feedback Shield™
- Power Matrix (Optional)
- Telesolutions™ (Optional)
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- Digital Volume Control
- VC w/ Enhanced Taper Control (Optional)
- 12 Bands, 8 Channels
- 4 Programmable Memories
- Memory Change Indicator w/ Adjustable Level and Frequency
- Low Battery Indicator
- Power on Delay w/ Adjustable Level
- Speech Mapping Compatible w/ Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process



EVOK

PERSONA MEDICAL

MINI CANAL AND CIC

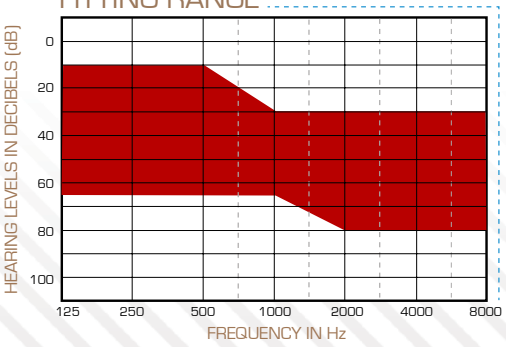
EVOK 900 SPECIFICATIONS

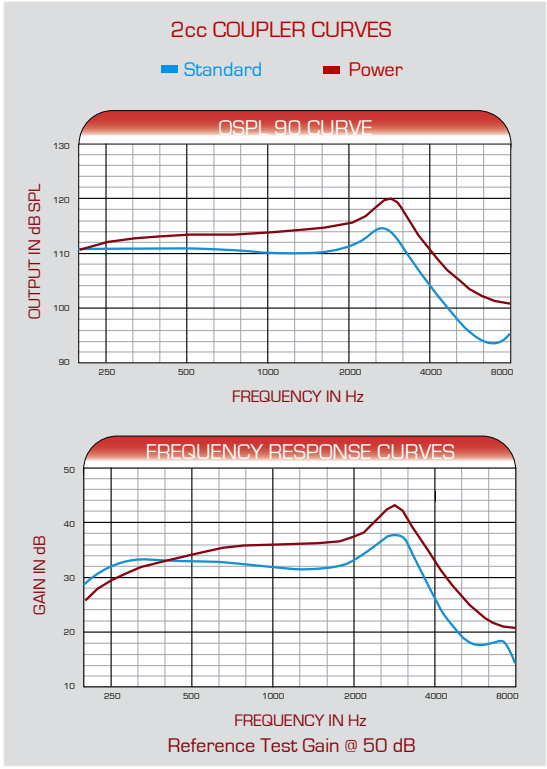
Ear Simulator [IEC-118-0]*	Standard / Power
OSPL90 Maximum	123/ 128 dBSPL
OSPL90 @ 1600 Hz	118/ 123 dBSPL
Peak Gain	48/ 56 dB
Full-On-Gain @ 1600 Hz	43/51 dB
R.T.G @ 1600 Hz	41/46 dB
Frequency Range: f1-f2	200-8000 Hz
THD at 500 Hz	< 3%
800 Hz	< 3%
1600 Hz	< 3%
Eq. Input Noise Level	< 26 dBSPL
Attack Time	6 mS @ 2kHz
Release Time	30 mS @ 2kHz
Battery Current Drain	0.95/ 1.2mA
Battery Life [10A]	84/ 66 hrs

2cc Coupler [ANSI S3.22-1996]*	Standard / Power
OSPL90 Maximum	115/ 120 dBSPL
HF Average OSPL90	110/ 115 dBSPL
Peak Gain	40/48 dB
HFA Full-On-Gain	35/ 43 dB
Reference Test Grain	33/ 38 dB
Frequency Range: f1-f2	200-8000 Hz
THD at 500 Hz	< 3%
800 Hz	< 3%
1600 Hz	< 3%
Eq. Input Noise Level	< 26 dBSPL
Attack Time	6 mS @ 2kHz
Release Time	30 mS @ 2kHz
Battery Current Drain	0.95/ 1.2 mA
Battery Life [10A]	84/ 66 hrs

*Test Settings Provided Upon Request

FITTING RANGE





- Speech-Pro™ Auto Fit (Optional)
- Data Logging
- Feedback Shield™
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- Power Matrix (Optional)
- Digital Volume Control (Mini Canal Only)
- SSVC w/ Enhanced Taper Control (Optional)
- 12 Bands, 8 Bands
- 4 Programmable Memories
- Memory Change Indicator w/ Adjustable Level and Frequency
- Low Battery Indicator
- Power on Delay w/ Adjustable Level
- Speech Mapping Compatible w/ Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

EVOK™

PERSONA MEDICAL

EVOK™

800 Series

Actual Size

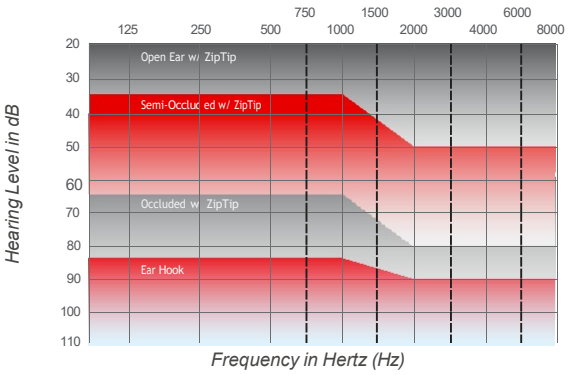
Features

- Digital / Programmable
- Adaptive Directional Microphones
- Telecoil
- Hydrocoat
- Digital Volume Control
- Multi Memory Push Button
- Volume/Memory Retention VMR™ after Power Cycle
- Feedback Shield™
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- 12 Bands, 8 Channels
- 4 Programmable Memories
- Memory Change Indicator w/ Adj Level/Freq
- Low Battery Indicator
- Voice Prompts
- NOAH / NOAH Link Compatible
- Speech-Pro™ Auto Fit
- Datalogging

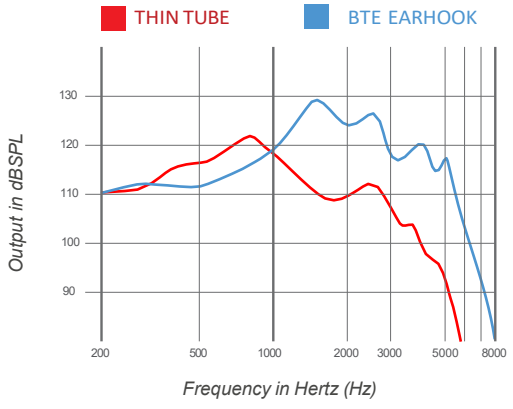
	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
	Thin Tube / **Earhook**	Thin Tube / **Earhook**
OSPL90 Maximum	122 / 129 dBSPL	129 / 136 dBSPL
OSPL90 @ 1600 Hz	112 / 123 dBSPL	N/A
HFAverage OSPL90	N/A	118 / 130 dBSPL
Peak Gain	57 / 68 dB	63 / 76 dB
HFA Full-On-Gain	52 / 60 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	58 / 70 dB
Reference Test Gain	36 / 47 dB	
R.T.G @ 1600 Hz		43 / 53 dB
Frequency Range (F1-F2)	200-6300 Hz	N/A
THD at 500 Hz	< 3%	< 3%
800 Hz	< 3%	< 3%
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 25 dBSPL	< 25 dBSPL
Tele-Coil Sensitivity	95 / 107 dBSPL	104 / 115 dBSPL
Attack Time	10 mS @ 2kHz	10 mS @ 2kHz
Release Time	70 mS @ 2kHz	70 mS @ 2kHz
Battery Current Drain	0.95 mA	1.00 mA
Battery Life [312]	165 hrs	160 hrs

*AGC not fully activated

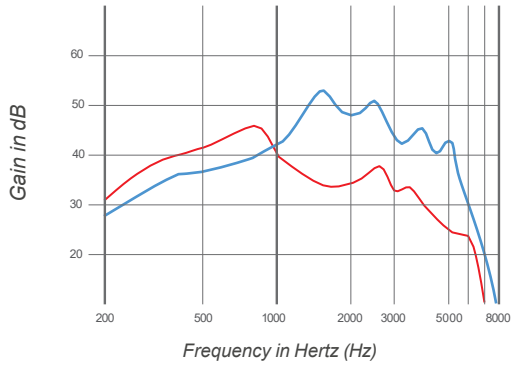
Fitting Range



OSPL90 Curves



Frequency Response Curves



PERSONA® MEDICAL

800.789.6543 | info@personamedical.com 6/2016

EVOK™

Series 540: Full Shell

Characteristics:

- 4 channels, 12 bands signal processing
- 4 programmable memories
- WDRC
- Feedback Shield
- Tri-mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- Volume/Memory retention after Power Cycle*
- Multi-memory button
- Memory change indicator w/Adjustable level & frequency
- Speech mapping compatible w/graphic EQ controls
- Compatible with Noah/Noah link
- Conformal Coating
- 13 Battery with low battery indicator

  * NOTE: Works with Multi-memory or Multi-function push button only

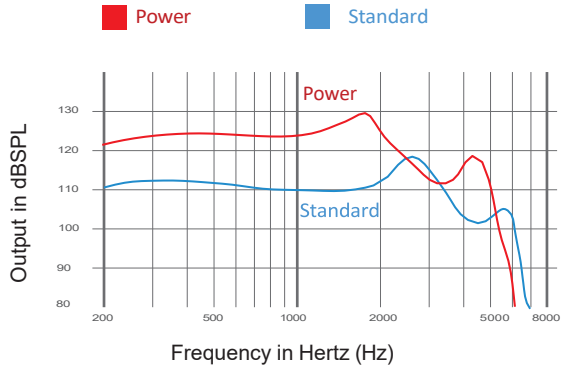
Options:

- Multi-funchtion Push-Button: Volume & Memory Control
- SSVC (Screw Set Volume Control)
- Amplified telecoil
- Power matrix
- Fixed hyper-cardioid directional microphones
- Rechargeable (8 hour charge provides 16 hours use)

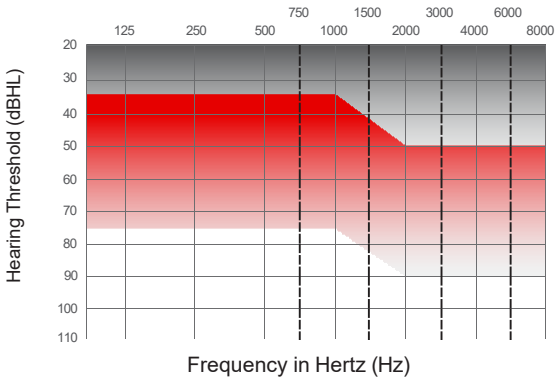
	ANSI S3.22-2003 2CC Coupler *Standard/Power*	IEC-118-0 Ear Simulator *Standard/Power*
Maximum OSPL	120 / 130 dBSPL	128 / 138 dBSPL
OSPL90 @ 1600 Hz	N/A	123 / 132 dBSPL
HF Average OSPL90	115 / 124 dBSPL	N/A
Peak Gain	55 / 65 dB	63 / 72 dB
HFA Full-on Gain	50 / 60 dB	N/A
Full-on Gain @ 1600 Hz	N/A	58 / 68 dB
Reference Test Gain	38 / 47 dB	N/A
R.T.G @ 1600 Hz	N/A	46 / 55 dB
Frequency Range: f1-f2	200-8000 Hz	N/A
THD @ 500 Hz	< 3%	< 3%
800 Hz	< 3%	< 3%
1600 Hz	< 3%	< 3%
Equivalent Input Noise	<26 dB	<26 dB
Telephone Sensitivity (SPLITS)	98 / 107 dBSPL	106 / 115 dBSPL
Attack time	6 mS @ 2kHz*	6 mS @ 2kHz*
Release time	30 mS @ 2kHz*	30 mS @ 2kHz*
Battery Current Drain	0.95 / 1.2 mA	0.95 / 1.2 mA
Battery Life (13)	284 / 180 hrs	284 / 180 hrs

*AGC not fully activated

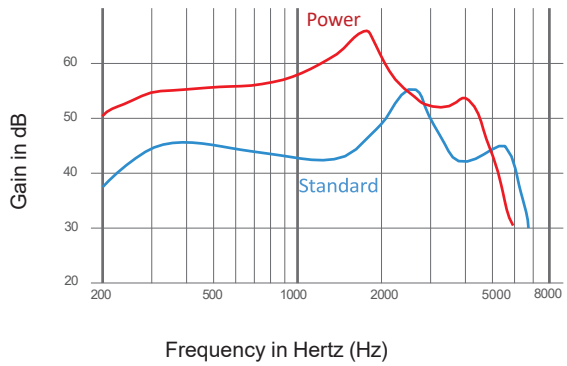
OSPL90 Curves



Fitting Range



FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

EVOK™

Series 540: Half Shell & Canal

Characteristics:

- 4 channels, 12 bands signal processing
- 4 programmable memories
- WDRC
- Feedback Shield
- Tri-mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- Volume/Memory retention after Power Cycle*
- Multi-memory button
- Memory change indicator w/Adjustable level & frequency
- Speech mapping compatible w/graphic EQ controls
- Compatible with Noah/Noah link
- Programmable VC
- Conformal Coating
- 312 Battery with low battery indicator

  * NOTE: Works with Multi-memory or Multi-function push button only

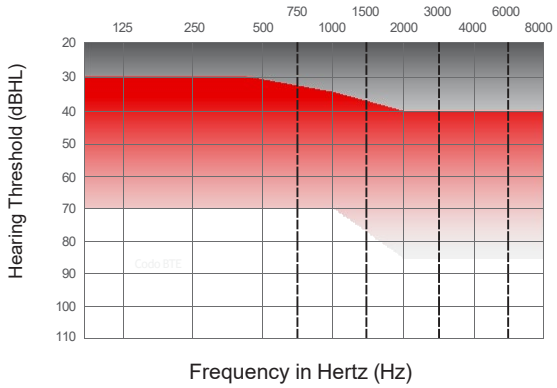
Options:

- Multi-funchtion Push-Button: Volume & Memory Control
- SSVC (Screw Set Volume Control)
- Amplified telecoil
- Power matrix
- Fixed hyper-cardioid directional microphones

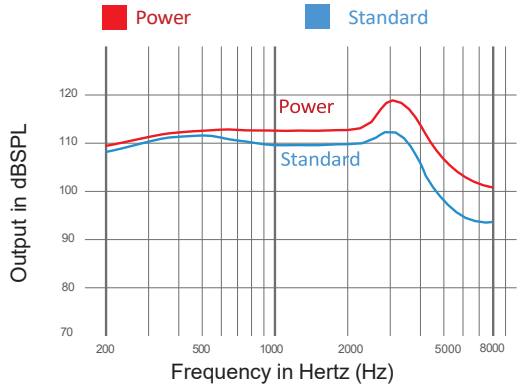
	ANSI S3.22-2003 2CC Coupler *Standard/Power*	IEC-118-0 Ear Simulator *Standard/Power*
Maximum OSPL	115 / 120 dBSPL	123 / 128 dBSPL
OSPL90 @ 1600 Hz	N/A	118 / 123 dBSPL
HF Average OSPL90	110 / 115 dBSPL	N/A
Peak Gain	50 / 58 dB	58 / 60 dB
HFA Full-on Gain	45 / 53 dB	N/A
Full-on Gain @ 1600 Hz	N/A	52 / 60 dB
Reference Test Gain	33 / 38 dB	N/A
R.T.G @ 1600 Hz	N/A	41 / 46 dB
Frequency Range: f1-f2	200-8000 Hz	N/A
THD @ 500 Hz	< 3%	< 3%
800 Hz	< 3%	< 3%
1600 Hz	< 3%	< 3%
Equivalent Input Noise	<26 dB	<26 dB
Telephone Sensitivity (SPLITS)	93/98 dBSPL	100/105 dBSPL
Attack time	6 mS @ 2kHz*	6 mS @ 2kHz*
Release time	30 mS @ 2kHz*	30 mS @ 2kHz*
Battery Current Drain	0.95 / 1.2 mA	0.95 / 1.2 mA
Battery Life (312)	160 / 126 hrs	160 / 126 hrs

*AGC not fully activated

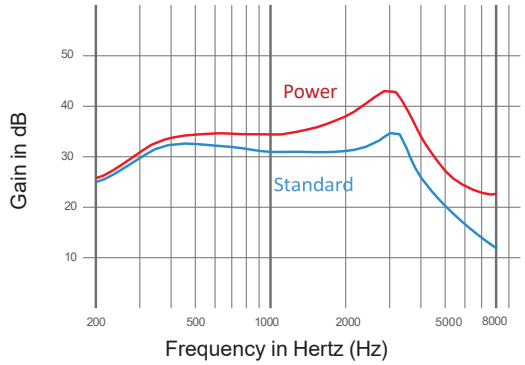
Fitting Range



OSPL90 Curves



FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

EVOK™

Series 540: CIC / Mini Canal

Characteristics:

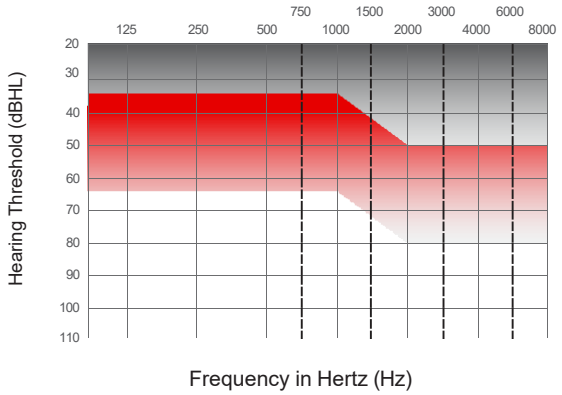
- 4 channels, 12 bands signal processing
- 4 programmable memories
- WDRC
- Feedback Shield
- Tri-mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- Volume/Memory retention after Power Cycle*
- Multi-memory push button
- Memory change indicator w/Adjustable level & frequency
- Speech mapping compatible w/graphic EQ controls
- Compatible with Noah/Noah link
- Programmable Volume Control
- Conformal Coating
- 10A Battery with low battery indicator

  * NOTE: Works with Multi-memory or Multi-function push button only

Options:

- Power matrix
- Multi-funchtion Push-Button: Volume & Memory Control
- SSVC (Screw Set Volume Control)

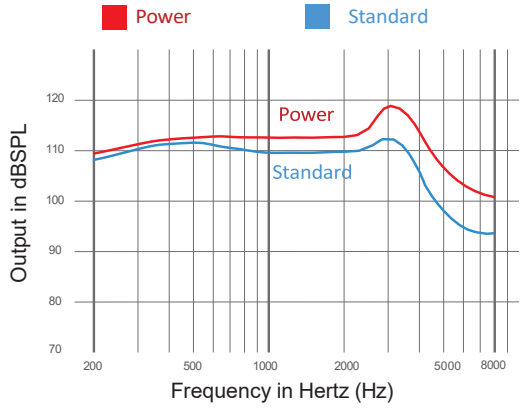
Fitting Range



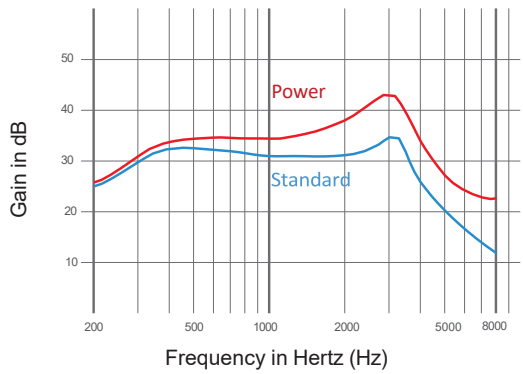
	ANSI S3.22-2003 2CC Coupler *Standard/Power*	IEC-118-0 Ear Simulator *Standard/Power*
Maximum OSPL	115 / 120 dBSPL	123 / 128 dBSPL
OSPL90 @ 1600 Hz	N/A	118 / 123 dBSPL
HF Average OSPL90	110 / 115 dBSPL	N/A
Peak Gain	40 / 48 dB	48 / 56 dB
HFA Full-on Gain	35 / 43 dB	N/A
Full-on Gain @ 1600 Hz	N/A	43 / 51 dB
Reference Test Gain	33 / 38 dB	N/A
R.T.G @ 1600 Hz	N/A	41 / 46 dB
Frequency Range: f1-f2	200-8000 Hz	N/A
THD @ 500 Hz	< 3%	< 3%
800 Hz	< 3%	< 3%
1600 Hz	< 3%	< 3%
Equivalent Input Noise	<26 dB	<26 dB
Attack time	6 mS @ 2kHz*	6 mS @ 2kHz*
Release time	30 mS @ 2kHz*	30 mS @ 2kHz*
Battery Current Drain	0.95 / 1.2 mA	0.95 / 1.2 mA
Battery Life (10A)	84 / 65 hrs	84 / 65 hrs

*AGC not fully activated

OSPL90 Curves



FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

Claret Series

Claret™

365 Series

Actual Size

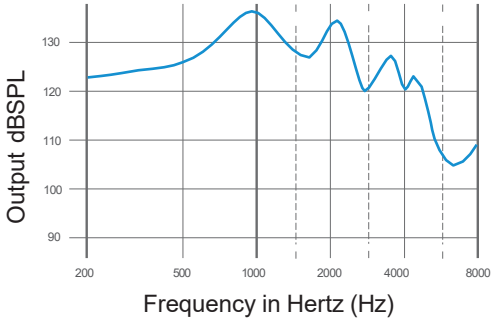
Features

- Digital / Non-Programmable
- 3 Memories (Mic,Noise,Telecoil)
- Manual Volume Control
- Enhanced Taper Control
- Microphone Noise Expansion
- Dynamic Speech Enhancement (DSE)
- 12 Bands, 2 Channels Processing
- Standard 2 trimmers w/ linear taper
- Telecoil
- Memory Change Indicator
- Low Battery Indicator
- AGC-O Limiting
- Hydrocoat moisture barrier (option)

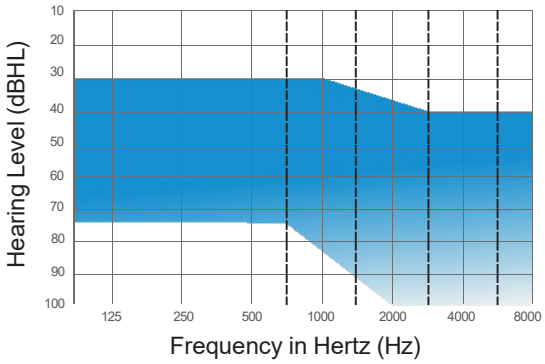
		ANSI S3.22-2003 2CC Coupler Earhook	IEC-118-0 Ear Simulator Earhook
OSPL90 Maximum		137 dBSPL	145 dBSPL
OSPL90 @ 1600 Hz		N/A	137 dBSPL
HFAverage OSPL90		130 dBSPL	N/A
Peak Gain		78 dB	86 dB
HFA Full-On-Gain		72 dB	N/A
Full-On-Gain @ 1600 Hz		N/A	80 dB
Reference Test Gain		54dB	N/A
R.T.G @ 1600 Hz		N/A	60 dB
Frequency Range (F1-F2)		200-4100 Hz	N/A
THD at	500 Hz	< 2%	< 2%
	800 Hz	< 2%	< 2%
	1600 Hz	< 2%	< 2%
Equivalent Input Noise		< 22 dB	< 22 dB
Tele-Coil Sensitivity		105 dBSPL	111 dBSPL
Attack Time		10 mS @ 2kHz*	10 mS @ 2kHz*
Release Time		50 mS @ 2kHz*	50 mS @ 2kHz*
Battery Current Drain		1.97 mA	1.97 mA
Battery Life [675]		300 hrs	300 hrs

*AGC not fully activated

OSPL90 Curves

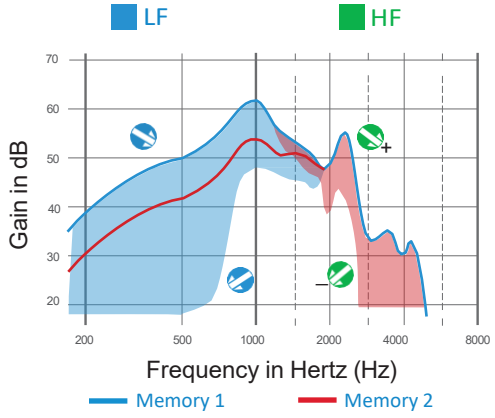


Fitting Range



Trimmer ID

Gain Curves (RTG @ 60dB in)



PERSONA® MEDICAL

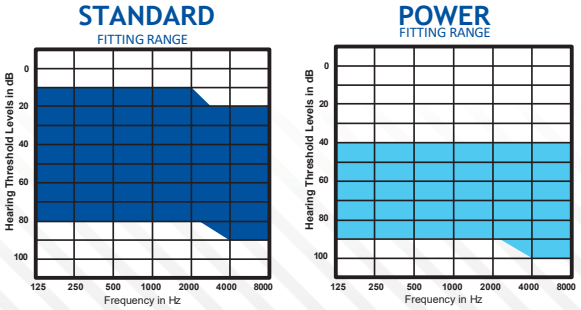
800.789.6543 | info@personamedical.com

FULL SHELL / POWER

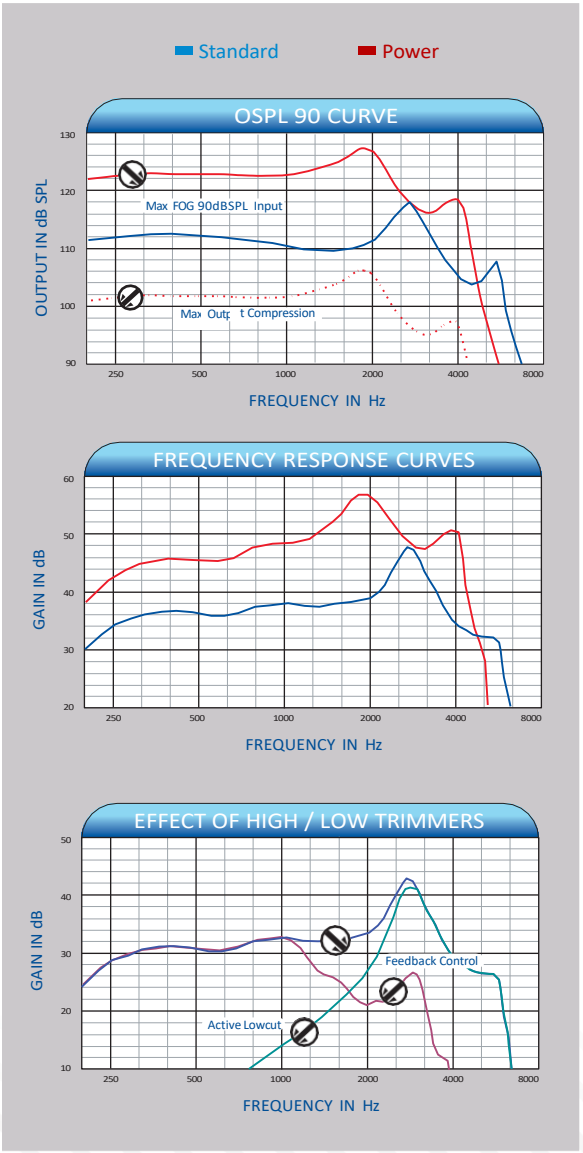
Claret™ 300 SPECIFICATIONS

Ear Simulator [IEC-118-0]*	Standard / Power	2cc Coupler [ANSI S3.22-1996]*	Standard / Power
OSPL90 Maximum	128 /136 dBSPL	OSPL90 Maximum	120 /128 dBSPL
OSPL90 @ 1600 Hz	122 /131 dBSPL	HF Average OSPL90	114 /123 dBSPL
Peak Gain	64 /73 dB	Peak Gain	56 /65 dB
Full-On-Gain @ 1600 Hz	58 /68 dB	HFA Full-On-Gain	50-35 /60-35 dB
R.T.G @ 1600 Hz	45 /54 dB	Reference Test Grain	37 /46 dB
Frequency Range: f1-f2	200-6700 Hz	Frequency Range: f1-f2	200-6700 Hz
THD at 500 Hz	< 3%	THD at 500 Hz	< 3%
800 Hz	< 3%	800 Hz	< 3%
1600 Hz	< 3%	1600 Hz	< 3%
Eq. Input Noise Level	< 26 dBSPL	Eq. Input Noise Level	< 26 dBSPL
Attack / Release Time	6 / 60 mS @ 2KHz	Attack / Release Time	6 /60 mS @ 2KHz
Tele-Coil Sensitivity	105 /114 dBSPL	Tele-Coil Sensitivity	97 /106 dBSPL
Battery Current Drain	0.95 /1.2 mA	Battery Current Drain	0.95 /1.2 mA
Battery Life (13)	337 /228 hrs (13)	Battery Life [13]	337 /228 hrs (13)

*Test Settings Provided Upon Request



- 100% Digital Processing Device
- Enhanced Taper Control (ETC) for VC or SSVC
- T-Coil and Auto T-Coils Option
- Improved Adaptive Feedback Cancellations (AFC)
- Two Channel Processing
- Dynamic Speech Enhancement (DSE)
- Trimmers Available; Low Cut, High Cut and AGC-o
- Directional Microphone; Fixed Hyper Cardioid
- Low Battery Warning Indicator
- Multi-Memory Indicator



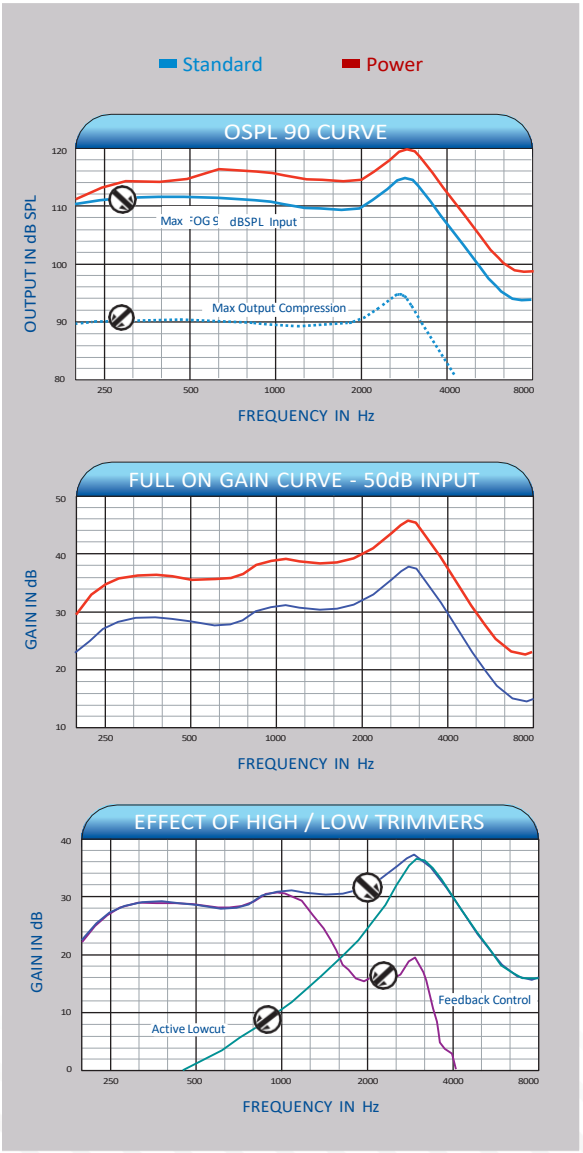
PERSONA MEDICAL

HALF SHELL AND CANAL

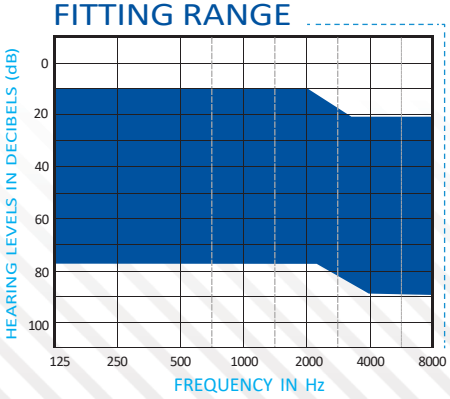
Claret™ 300 SPECIFICATIONS

Ear Simulator [IEC-118-0]*	Standard / Power	2cc Coupler [ANSI S3.22-1996]*	Standard / Power
OSPL90 Maximum	122 /128 dBSPL	OSPL90 Maximum	114 /120 dBSPL
OSPL90 @ 1600 Hz	118 /123 dBSPL	HF Average OSPL90	110 /115 dBSPL
Peak Gain	58 /66 dB	Peak Gain	50 /58 dB
Full-On-Gain @ 1600 Hz	53 /61 dB	HFA Full-On-Gain	45 /53 dB
R.T.G @ 1600 Hz	41 /46 dB	Reference Test Grain	33 /38 dB
Frequency Range: f1-f2	200-8000 Hz	Frequency Range: f1-f2	200-8000 Hz
THD at 500 Hz	< 3%	THD at 500 Hz	< 3%
800 Hz	< 3%	800 Hz	< 3%
1600 Hz	< 3%	1600 Hz	< 3%
Eq. Input Noise Level	< 29 dBSPL	Eq. Input Noise Level	< 29 dBSPL
Attack / Release Time	6 /60mS @ 2KHz	Attack / Release Time	6 / 60 mS @ 2KHz
Tele-Coil Sensitivity	101 /106 dBSPL	Tele-Coil Sensitivity	93 /98 dBSPL
Battery Current Drain	0.80 /1.05 mA	Battery Current Drain	0.80 /1.05 mA
Battery Life (312)	178 /160 hrs	Battery Life (312)	178 /160 hrs

*Test Settings Provided Upon Request



FITTING RANGE



- 100% Digital Processing Device
- Enhanced Taper Control (ETC) for VC or SSVC
- T-Coil and Auto T-Coils Option
- Improved Adaptive Feedback Cancellations (AFC)
- Two Channel Processing
- Dynamic Speech Enhancement (DSE)
- Trimmers Available; Low Cut, High Cut and AGC-o
- Directional Microphone; Fixed Hyper Cardioid
- Low Battery Warning Indicator
- Multi-Memory Indicator
- Power (Optional)

PERSONA MEDICAL

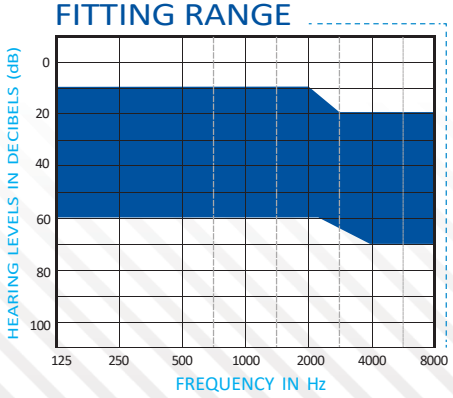
MINI CANAL AND CIC

Claret™ 300 SPECIFICATIONS

Ear Simulator [IEC-118-0]*	Standard / Power	2cc Coupler [ANSI S3.22-1996]*	Standard / Power
OSPL90 Maximum	122 /128 dBSPL	OSPL90 Maximum	114 /120 dBSPL
OSPL90 @ 1600 Hz	118 /123 dBSPL	HF Average OSPL90	110 /115 dBSPL
Peak Gain	48 /56 dB	Peak Gain	40 /48 dB
Full-On-Gain @ 1600 Hz	43 /51 dB	HFA Full-On-Gain	35 /43 dB
R.T.G @ 1600 Hz	41 /48 dB	Reference Test Grain	33 /40 dB
Frequency Range: f1-f2	200-8000 Hz	Frequency Range: f1-f2	200-8000 Hz
THD at 500 Hz	< 3%	THD at 500 Hz	< 3%
800 Hz	< 3%	800 Hz	< 3%
1600 Hz	< 3%	1600 Hz	< 3%
Eq. Input Noise Level	< 29 dBSPL	Eq. Input Noise Level	< 29 dBSPL
Attack Time	6 mS @ 2KHz	Attack Time	6 mS @2KHz
Release Time	60 mS @ 2KHz	Release Time	60 mS @ 2KHz
Battery Current Drain	0.80 /1.05 mA	Battery Current Drain	0.80 /1.05 mA
Battery Life (10A Zinc air)	100 /75 hrs	Battery Life [10A Zinc Air]	100 /75 hrs

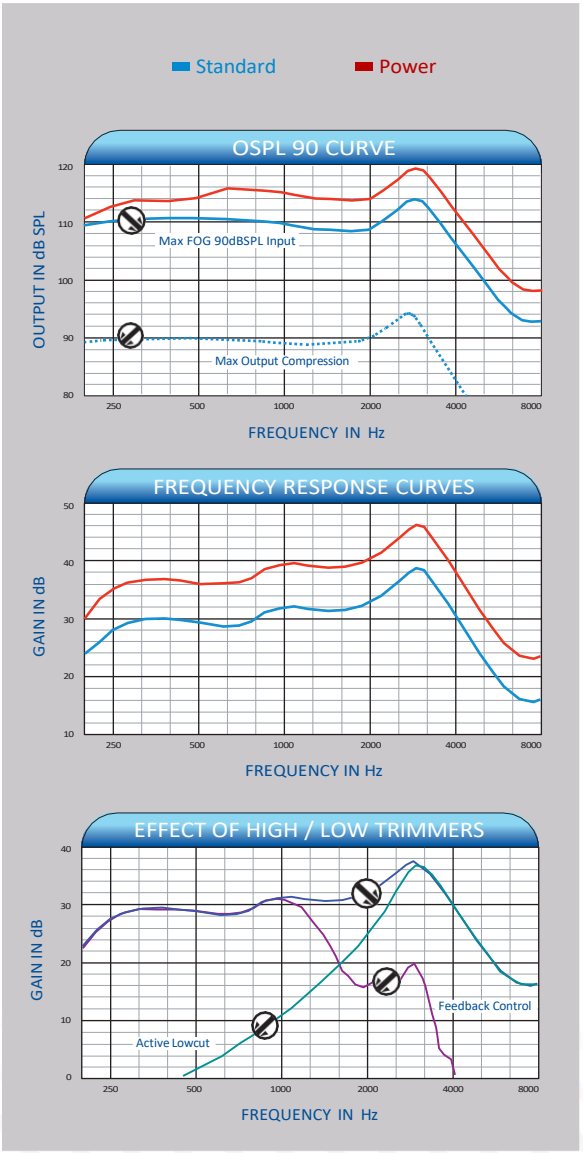
*Test Settings Provided Upon Request

FITTING RANGE



- 100% Digital Processing
- Enhanced Taper Control (ETC) for VC* or SSVC
- Improved Adaptive Feedback Cancellations (AFC)
- Two Channel Processing
- Dynamic Speech Enhancement (DSE)
- Trimmers Available; Low Cut, High Cut and AGC-o
- Low Battery Warning Indicator
- Multi-Memory Indicator
- Power (Optional)

*mini-canal only



PERSONA MEDICAL