

The Desired Sensation Level Method
 DSL v4.0 for Windows
 Hearing Health Care Research Unit
 University of Western Ontario
 Canada

Patient Information

Patient ID : 12345678
 Name : Lastname, Firstname
 Birth Date : 09-Apr-1976
 Professional : Yourname
 Today's Date : 09-Aug-2020, 16:26:54

Street : Street
 City : City
 State/Prov. : Province A1B 2C3
 Country : Canada
 Phone : (519) 123-4567

ASSESSMENT DATA (dB HL)

LEFT EAR	<u>.25</u>	<u>.50</u>	<u>.75</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>	<u>4.0</u>	<u>6.0</u>
Threshold	45	45	50	55	55	60	65	70	75
Upper Limit	90	100	110	110	115	115	110	110	90
Exponent									
RECD	2	4	4	6	7	8	11	13	14
REUR									
REDD									

HEARING AID RECOMMENDATION

LEFT EAR
 Selection Method : DSL [i/o]

<u>HEARING AID</u>	<u>EARMOLD</u>	<u>OTHER</u>	<u>OTHER</u>
Style : BTE	Type : SHELL	Transducer : ER3	Speech : Cox/Moore
Make :	Tube : NORMAL #13	HL to SPL : RECD	Compr. Thresh : 50
Model :	Bore : STANDARD #13	HA Style : BTE	Loudness : Predicted
Serial # :	Vent : PRESSURE 1MM	Circuit : WDRC (fixed CR)	
	Material : NEWSIL	RE to 2cc : Measured	Max. Out : Measured

	<u>.25</u>	<u>.50</u>	<u>.75</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>	<u>4.0</u>	<u>6.0</u>
SSPL-90	105	109	116	115	121	126	118	115	97
Full-On Gain (Reserve 10 dB)	29	28	32	33	36	43	42	42	35
User Gain (Input 65 dB)	19	18	22	23	26	33	32	32	25
Comp. Ratio	2.0	1.8	1.8	2.0	2.0	2.2	2.5	2.8	6.3

VERIFICATION DATA

LEFT EAR

Hi-Level (Coupler Output)

	<u>.25</u>	<u>.50</u>	<u>.75</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>	<u>4.0</u>	<u>6.0</u>
Target 90 dB	96	97	101	101	104	110	107	106	94
Measured 90 dB	98.	101	103	106	107	109	113	109	97.

Mid-Level (Coupler Gain)

	<u>.25</u>	<u>.50</u>	<u>.75</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>	<u>4.0</u>	<u>6.0</u>
Target 80 dB	11	11	15	16	18	25	23	22	13
Measured	13	20.	23	25.	25.	27.	30.	26.	18.
Target 65 dB	19	18	22	23	26	33	32	32	25
Measured	13	22	27	31.	31.	33.	36.	32.	23.
Target 50 dB	26	25	29	30	32	39	39	41	38
Measured	16	22.	28	33.	36	38.	42	38.	29.

Low-Level

	<u>.25</u>	<u>.50</u>	<u>.75</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>	<u>4.0</u>	<u>6.0</u>
Aided SF 0°	18	19	19	23	23	26	30	31	36
Measured	25	25	20	25	25	25	30	35	40

Comments :

Signature: _____ Date: _____

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ASSESSMENT DATA (dB HL)

LEFT EAR		<u>.25</u>	<u>.50</u>	<u>.75</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>	<u>4.0</u>	<u>6.0</u>
	Threshold	45	45	50	55	55	60	65	70	75
	Upper Limit	90	100	110	110	115	115	110	110	90
	Exponent									
	RECD	2	4	4	6	7	8	11	13	14
	REUR									
	REDD									

AUDITORY AREA

LEFT EAR		<u>.25</u>	<u>.50</u>	<u>.75</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>	<u>4.0</u>	<u>6.0</u>
RE SPL	Threshold	62	58	60	66	68	79	84	88	96
	Upper Limit (p)	102	109	110	113	114	119	121	121	121
	Upper Limit (m)	107	113	120	121	128	134	129	128	111
2cc SPL	Threshold	60	54	56	60	61	71	73	75	82
	Upper Limit (p)	100	105	106	107	107	111	110	108	107
	Upper Limit (m)	105	109	116	115	121	126	118	115	97

HEARING AID RECOMMENDATION

LEFT EAR
 Selection Method : DSL [i/o]

HEARING AID

Style : BTE
 Make :
 Model :
 Serial # :

EARMOLD

Type : SHELL
 Tube : NORMAL #13
 Bore : STANDARD #13
 Vent : PRESSURE 1MM
 Material : NEWSIL

OTHER

Transducer : ER3
 HL to SPL : RECD
 HA Style : BTE
 Circuit : WDRC (fixed CR)
 RE to 2cc : Measured

OTHER

Speech : Cox/Moore
 Compr. Thresh : 50
 Loudness : Predicted
 Max. Out : Measured

		<u>.25</u>	<u>.50</u>	<u>.75</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>	<u>4.0</u>	<u>6.0</u>
	SSPL-90	105	109	116	115	121	126	118	115	97
	Full-On Gain (Reserve 10 dB)	29	28	32	33	36	43	42	42	35
	User Gain (Input 65 dB)	19	18	22	23	26	33	32	32	25
	Comp. Ratio	2.0	1.8	1.8	2.0	2.0	2.2	2.5	2.8	6.3

SPEECH OUTPUT TARGETS (dB SPL)

LEFT EAR		<u>.25</u>	<u>.50</u>	<u>.75</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>	<u>4.0</u>	<u>6.0</u>
RE SPL	Average	84	86	87	90	93	100	100	102	97
	Soft	74	76	73	75	78	86	83	85	84
	Loud	83	89	96	100	104	111	110	110	104
2cc SPL	Average	81	82	83	83	85	88	86	87	83
	Soft	71	72	69	68	69	74	68	70	70
	Loud	80	85	92	94	96	101	98	97	90

AIDED SOUND FIELD THRESHOLD (dB HL)

LEFT EAR		<u>.25</u>	<u>.50</u>	<u>.75</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>	<u>4.0</u>	<u>6.0</u>
	Aided SF 0°	18	19	19	23	23	26	30	31	36

Comments:

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TONE REAL EAR OUTPUT TARGETS (dBSPL)

LEFT EAR	<u>Input Level (dB)</u>	<u>.25</u>	<u>.50</u>	<u>.75</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>	<u>4.0</u>	<u>6.0</u>
	20	48	49	53	57	61	71	74	76	72
	25	53	54	58	62	66	76	79	81	77
	30	58	59	63	67	71	81	84	86	82
	35	63	64	68	72	76	86	89	91	87
	40	68	69	73	77	81	91	94	96	92
	45	73	74	78	82	86	96	99	101	97
	50	78	79	83	87	91	101	104	106	102
	55	81	82	86	90	94	103	106	107	103
	60	84	85	89	92	96	105	108	109	104
	65	86	87	91	95	99	108	110	111	105
	70	89	90	94	97	102	110	112	113	105
	75	91	93	97	100	104	112	114	114	106
	80	94	96	100	102	107	115	116	116	107
	85	96	99	102	105	109	117	118	118	108
	90	99	101	105	107	112	119	120	120	109
	95	101	104	108	109	114	122	122	121	109
	100	104	107	111	112	117	124	124	123	110

TONE REAL EAR GAIN TARGETS (dB)

LEFT EAR	<u>Input Level (dB)</u>	<u>.25</u>	<u>.50</u>	<u>.75</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>	<u>4.0</u>	<u>6.0</u>
	20	28	29	33	37	41	51	54	56	52
	30	28	29	33	37	41	51	54	56	52
	45	28	29	33	37	41	51	54	56	52
	60	24	25	29	32	36	45	48	49	44
	75	16	18	22	25	29	37	39	39	31
	90	9	11	15	17	22	29	30	30	19
	100	4	7	11	12	17	24	24	23	10

TONE 2cc OUTPUT TARGETS (dBSPL)

LEFT EAR	<u>Input Level (dB)</u>	<u>.25</u>	<u>.50</u>	<u>.75</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>	<u>4.0</u>	<u>6.0</u>
	20	46	45	49	50	52	59	59	61	58
	25	51	50	54	55	57	64	64	66	63
	30	56	55	59	60	62	69	69	71	68
	35	61	60	64	65	67	74	74	76	73
	40	66	65	69	70	72	79	79	81	78
	45	71	70	74	75	77	84	84	86	83
	50	76	75	79	80	82	89	89	91	88
	55	79	78	82	83	86	94	93	94	89
	60	81	80	84	86	88	96	95	95	90
	65	84	83	87	88	91	98	97	97	90
	70	86	86	90	91	93	100	99	99	91
	75	89	89	93	93	96	103	101	101	92
	80	91	91	95	96	98	105	103	102	93
	85	94	94	98	98	101	107	105	104	94
	90	96	97	101	101	104	110	107	106	94
	95	99	100	103	103	106	112	109	108	95
	100	102	103	106	105	109	114	111	110	96

TONE 2cc GAIN TARGETS (dB)

LEFT EAR	<u>Input Level (dB)</u>	<u>.25</u>	<u>.50</u>	<u>.75</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>3.0</u>	<u>4.0</u>	<u>6.0</u>
	20	26	25	29	30	32	39	39	41	38
	30	26	25	29	30	32	39	39	41	38
	45	26	25	29	30	32	39	39	41	38
	60	21	20	24	26	28	36	35	35	30
	75	14	14	18	18	21	28	26	26	17
	90	6	7	11	11	14	20	17	16	4
	100	2	3	6	5	9	14	11	10	-4