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This Certificate details the results of Hearing Protector testing carried out by The National Acoustic Laboratories

NAL Certificate No: 040707 **Test Series:** 140A

Device Tested: HMP-12 Headband Communications Earmuff

Manufactured By: Mobile One

Date Tested: 12th July 2004 to 16th August 2004

Test Commissioned By: Mobile One Australia P/L

Description of Device Tested: Headband communications earmuff with height adjustable black earcup, white high-density foam against inside of earcup, red plastic insert with grey foam infill containg communications earphones and wiring. Black foam-filled soft plastic. Rigid black plastic swivel attachments connecting the earcups to the dual steel wire headband enabling earcup height and angle adjustment. Quilted soft black plastic headband pad with leather/velcro outer sleeve inside which the earcup connection wiring passes through. Military spec wire boom microphone, volume control, and electrical wiring terminated on LEFT earcup.

This hearing protector device has been tested mechanically, and its sound attenuation was measured in accordance with Australian and New Zealand Standard AS/NZS 1270-2002.

Mean Reference Thresholds re 20uPa						
125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
32.3	24.1	12.9	9.7	8.8	6.7	11.6

	Real-ear attenuation values (dB) at designated octave frequencies						
Subject ID	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
S1	14	28	37	40	33	44	37
S2	18	18	32	33	29	42	42
S3	20	17	31	33	30	44	37
S4	20	24	33	36	29	36	42
S5	14	19	29	30	30	38	45
S6	22	18	37	37	33	51	50
S7	18	23	33	35	28	38	40
S8	18	23	33	34	28	43	47
S9	11	18	29	29	29	41	38
S10	13	13	26	25	28	31	39
S11	17	16	31	32	30	35	38
S12	18	19	30	29	30	39	38
S13	18	15	30	39	30	34	35
S14	13	17	30	32	28	36	34
S15	10	13	28	34	30	45	40
S16	20	22	28	24	29	43	45
S17	13	22	29	36	32	39	39
Mean	16.4	19.2	30.9	32.9	29.7	39.9	40.3
Standard Deviation	3.5	4.1	2.9	4.3	1.7	4.9	4.3
Mean minus SD	12.9	15.1	28.0	28.6	28.0	35.0	36.0

SLC80 Rating	28		Average total mass of device = 471g
CLASS	5		
Clamping Force	10.1	Newtons	

NATA
Accredited for AS/NZS 1270:2002
Registered Lab No. 5472

Signatory: ..... **Dated:** 18/8/04

(Geoff Colin-Thome', NAL Research, Acoustic Test Facility)