

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

NAL Certificate No: 040604 **Test Series:** 139

Device Tested: HMP-1 Headband
Communications Earmuff

Manufactured By: Mobile One Australia P/L

Date Tested: 28th June 2004 to 14th July 2004

Test Commissioned By: Mobile One Australia P/L

**Description of
Device Tested:**

Headband communications earmuff. Dark-green plastic earcups with soft black plastic combination foam-fill/oil-sac earpads. Grey foam infill containing communications earphones and wiring. 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 and electrical wiring terminated on SAME 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 20µPa							
125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	
31.3	24.5	11.8	10.1	6.8	5.4	12.1	

Subject ID	Real-ear attenuation values (dB) at designated octave frequencies						
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
S1	15	20	26	42	34	32	26
S2	15	21	34	36	39	42	43
S3	18	25	33	32	36	43	40
S4	17	21	35	37	37	50	45
S5	11	19	34	34	35	39	43
S6	19	21	33	40	29	30	38
S7	9	14	21	30	30	38	38
S8	22	17	30	32	38	43	50
S9	11	23	27	31	39	38	39
S10	18	20	28	33	34	38	39
S11	16	17	27	35	38	41	38
S12	17	19	35	34	38	43	43
S13	20	19	31	36	30	40	38
S14	13	18	30	37	39	38	45
S15	17	22	27	33	37	40	36
S16	13	20	25	34	31	39	29
Mean	15.5	19.7	29.7	34.7	35.1	39.6	39.3
Standard Deviation	3.5	2.7	4.0	3.2	3.5	4.5	6.0
Mean minus SD	12.0	17.0	25.7	31.5	31.6	35.1	33.3



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

SLC80 Rating CLASS Clamping Force	30	Average mass of device = 455g
	5	
	10 Newtons	

Signatory:  **Dated:** 15/7/04
(Geoff Colin-Thorne, NAL Consulting, Acoustic Test Facility)

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