

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

**NAL Certificate No:** 040601      **Test Series:** 139  
**Device Tested:** HNP-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 earmuffs with soft black plastic combination foam-fill/oil-sac earpads. Grey foam infill containing communications earphones and wiring. Rigid black plastic swivel attachments connecting the earmuffs to the dual steel wire headband enabling earmuff height and angle adjustment. Quilted foam-filled soft black plastic headband pad with leather-velcro outer sleeve inside which the earmuff connection wiring passes through. **NO BOOM MICROPHONE.**

***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	17	24	27	42	34	39	25
S2	16	21	32	31	35	42	43
S3	17	23	31	34	33	42	40
S4	15	17	31	30	36	42	48
S5	15	20	33	32	34	40	43
S6	15	18	30	33	35	34	43
S7	8	13	25	28	31	38	42
S8	21	14	29	31	30	37	43
S9	17	22	32	34	38	38	44
S10	15	23	27	31	39	41	43
S11	15	18	30	37	39	40	49
S12	13	19	34	35	35	41	46
S13	23	19	28	35	31	40	47
S14	17	18	30	33	38	39	45
S15	18	20	28	37	37	44	41
S16	14	23	25	33	25	41	33
Mean	16.0	19.5	29.5	33.4	34.4	39.9	42.1
Standard Deviation	3.3	3.1	2.6	3.3	3.6	2.3	5.8
Mean minus SD	12.7	16.4	26.9	30.1	30.8	37.6	36.3



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

SLC80 Rating	30	Average mass of device = 384g
CLASS	5	
Clamping Force	10.8 Newtons	

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

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