



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

NAL Certificate No: 040705 **Test Series:** 140A
Device Tested: HSP- 4 Neckband
 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:**

Neckband communications earmuff with dark-green plastic earcups with soft black combination plastic foam-fill/oil-sac earpads. Grey foam infill containing communications earphones and wiring. Rigid black plastic swivel attachments connecting the earcups to the dual steel wire neckband enabling earcup height and angle adjustment. Earcup interconnection wiring passes through heat-shrink tubing on neckband. Coaxial connector for detachable microphone boom and 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

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	22	16	24	33	33	36	38
S2	14	14	22	32	31	38	42
S3	19	18	26	30	40	36	38
S4	15	22	25	33	33	36	44
S5	4	5	16	19	28	34	39
S6	4	13	24	30	33	39	45
S7	-2	3	14	24	28	24	42
S8	2	7	20	25	27	30	33
S9	11	18	30	35	37	38	46
S10	8	10	19	27	28	29	39
S11	18	15	31	35	39	35	45
S12	15	17	22	28	32	35	41
S13	17	17	23	36	32	30	33
S14	10	15	24	32	33	31	34
S15	11	14	21	34	34	39	38
S16	16	16	24	25	28	37	50
S17	11	16	24	31	32	38	44
Mean	11.4	13.8	22.9	29.9	32.3	34.4	40.6
Standard Deviation	6.6	5.0	4.2	4.6	3.8	4.1	4.9
Mean minus SD	4.8	8.8	18.7	25.3	28.5	30.3	35.7



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

SLC80 Rating CLASS	24	Average total mass of device = 357g
	4	
Clamping Force	10.8 Newtons	

Signatory:  **Dated:** 18/8/04
 (Geoff Collin-Thome, NAL Research, Acoustic Test Facility)

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