



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

**NAL Certificate No:** 040706      **Test Series:** 140A

**Device Tested:** HSP- 6 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 "PTT" switch, 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 20µPa						
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	18	23	23	33	36	36	36
S2	8	13	21	33	34	38	44
S3	22	20	26	34	35	42	36
S4	19	17	25	37	28	34	44
S5	12	15	26	26	33	37	49
S6	9	16	28	31	33	36	41
S7	11	18	22	32	34	36	40
S8	12	16	24	27	27	36	40
S9	13	20	29	33	33	38	43
S10	-1	3	13	20	23	27	26
S11	16	12	23	28	34	35	38
S12	9	11	19	23	26	34	36
S13	5	10	19	29	27	25	29
S14	3	8	20	27	25	32	35
S15	10	14	25	30	31	39	34
S16	13	18	25	28	31	37	45
S17	9	18	23	31	34	39	41
<b>Mean</b>	<b>10.9</b>	<b>14.8</b>	<b>23.0</b>	<b>29.4</b>	<b>31.0</b>	<b>35.2</b>	<b>38.6</b>
<b>Standard Deviation</b>	<b>5.7</b>	<b>5.0</b>	<b>3.8</b>	<b>4.3</b>	<b>4.0</b>	<b>4.1</b>	<b>6.0</b>
<b>Mean minus SD</b>	<b>5.2</b>	<b>9.8</b>	<b>19.2</b>	<b>25.1</b>	<b>27.0</b>	<b>31.1</b>	<b>32.6</b>



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

<b>SLC80 Rating</b>	<b>24</b>		Average total mass of device = 340g
<b>CLASS</b>	<b>4</b>		
<b>Clamping Force</b>	<b>11.2</b>	<b>Newtons</b>	

**Signatory:**  ..... **Dated:** 12/8/04 .....  
(Geoff Colin-Thome, NAL Research, Acoustic Test Facility)

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