

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

NAL Certificate No: 040603 **Test Series:** 139
Device Tested: HSP-2 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/veiro outer sleeve inside which the earcup connection wiring passes through. Co-axial connector for detachable microphone boom, "PTT"-switch (or volume control), 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	
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	19	23	29	43	35	32	25
S2	15	20	32	32	38	43	43
S3	15	28	33	35	37	41	40
S4	20	23	36	36	38	42	50
S5	13	18	35	33	30	39	44
S6	15	19	31	34	34	36	48
S7	11	15	25	26	31	33	42
S8	18	17	25	33	32	41	47
S9	13	20	30	33	35	38	40
S10	16	22	27	30	38	35	43
S11	15	18	28	33	41	38	40
S12	13	15	36	38	39	38	47
S13	19	20	29	31	30	40	41
S14	10	19	30	39	39	35	49
S15	20	23	33	35	39	41	37
S16	1	12	14	17	33	41	38
Mean	14.6	19.3	29.5	33.0	35.5	38.3	42.2
Standard Deviation	4.8	3.9	5.3	5.8	3.4	3.2	6.0
Mean minus SD	9.8	15.4	24.2	27.2	32.1	35.1	36.2



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

SLC80 Rating	28	Average mass of device = 379g (with ptt-sw), 408g (with v-control)
CLASS	5	
Clamping Force	10.1 Newtons	

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

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