

# Test Certificate – Mobile One HNP-1 MGM Communication Earmuff.

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

NAL Certificate No: 060606 Test Series: 146

Device Tested: HNP-1 MGM  
Communications Earmuff

Manufactured By: Mobile One Australia Pty Ltd

Date Tested: 11<sup>th</sup> July 2006 to 20<sup>th</sup> July 2006

Test Commissioned By: Mobile One Australia Pty Ltd



**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. Rigid black plastic swivel attachments connecting the earcups to the dual steel wire headband enabling earcup height and angle adjustment. Quilted foam-filled soft black plastic headband pad with leather/velcro outer sleeve inside which the earcup connection wiring passes through. Extra lead on the bottom of left earcup for mask type microphone attachment.

*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
32.5	24.9	11.9	11.5	8.9	6.5	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
S2	14	18	26	32	38	45	38
S3	15	21	31	34	38	43	39
S4	10	16	22	28	35	32	29
S5	24	28	32	41	45	44	49
S6	13	19	35	33	36	43	43
S7	16	25	31	34	35	33	34
S8	22	21	28	36	36	38	42
S9	18	27	34	38	37	41	40
S10	18	24	30	37	36	39	42
S11	14	20	28	31	33	35	35
S12	14	15	29	35	38	41	45
S13	18	21	35	35	31	38	43
S14	15	17	29	29	41	45	43
S15	9	20	31	35	34	39	45
S16	15	16	30	30	36	38	33
S17	12	16	24	30	35	35	36
S18	20	22	30	36	41	38	44
S19	16	20	29	32	42	41	50
S20	15	20	31	33	28	36	36
S21	14	18	30	36	41	41	47
S22	10	14	24	33	25	31	36
Mean	15.2	19.7	29.1	33.6	35.7	38.3	39.9
Standard Deviation	3.7	3.7	3.8	3.2	4.9	4.6	5.7
Mean minus SD	11.5	16.0	25.3	30.4	30.9	33.7	34.2



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

SLC80 Rating	30	Average total mass of device (with leads) = 419g
CLASS	5	
Clamping Force	10.5 Newtons	

Signatory: Gordon Jarvis Dated: 17 Aug 06  
(Gordon Jarvis', NAL Research, Acoustic Test Facility)

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