

ANSI S3.19-1974 Attenuation Charts

for MSA Helmet-Mounted SoundControl® Hearing Products



SoundControl HPE Cap Model (PN 10061272)*

	Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
V-GARD® CAP NRR-27	Mean	23	26	31	33	34	38	40	43	43
	Std Dev (dBA)	2.6	2.6	2.5	2.2	2.6	2.6	2.0	3.7	2.4
V-GARD 500 CAP NRR-26	Mean	23	25	30	34	33	39	40	45	44
	Std Dev (dBA)	3.1	3.5	2.7	2.2	2.5	3.1	2.2	3.4	2.6
TOPGARD® CAP NRR-26	Mean	23	25	32	34	33	38	40	43	42
	Std Dev (dBA)	2.5	3.1	3.2	2.7	2.3	3.8	2.7	4.1	3.5
THERMALGARD® CAP NRR-27	Mean	24	25	32	33	34	36	40	43	43
	Std Dev (dBA)	2.7	3.3	2.8	2.3	1.9	2.7	2.2	3.3	3.5
VANGUARD® CAP NRR-26	Mean	20	24	32	34	33	38	38	40	41
	Std Dev (dBA)	3.4	2.9	3.1	2.8	2.2	2.3	2.1	2.7	3.3

*Meets CSA Class A



SoundControl EXC Cap Model (PN 10061230)*

	Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
V-GARD® CAP NRR-25	Mean	18	22	29	32	34	36	39	42	41
	Std Dev (dBA)	2.6	2.2	2.3	2.6	2.5	3.4	3.5	4.3	3.6
V-GARD 500 CAP NRR-24	Mean	16	22	29	32	33	37	39	44	42
	Std Dev (dBA)	3.5	3.0	3.0	2.4	2.3	2.7	2.6	3.4	3.2
TOPGARD® CAP NRR-24	Mean	18	22	28	32	33	35	38	42	41
	Std Dev (dBA)	3.8	2.9	2.6	2.7	2.2	2.7	1.5	3.8	3.7
THERMALGARD® CAP NRR-23	Mean	16	21	30	32	33	35	39	41	41
	Std Dev (dBA)	2.7	2.4	2.6	3.2	4.2	3.7	4.5	3.6	3.7
VANGUARD® CAP NRR-24	Mean	17	21	30	32	33	36	37	39	40
	Std Dev (dBA)	3.3	2.1	2.8	3.3	2.4	2.0	2.6	3.1	3.4

*Meets CSA Class A



SoundControl XLS Cap Model (PN 10061535)*

	Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
V-GARD® CAP NRR-23	Mean	17	22	28	31	33	35	38	40	41
	Std Dev (dBA)	3.9	2.8	3.4	2.3	3.1	3.9	2.6	3.5	3.7
V-GARD 500 CAP NRR-22	Mean	17	21	28	31	33	37	38	41	42
	Std Dev (dBA)	4.3	3.4	2.8	2.4	2.4	3.8	3.1	4.1	4.1
TOPGARD® CAP NRR-23	Mean	18	21	26	31	33	36	39	41	41
	Std Dev (dBA)	3.5	2.5	2.3	3.4	2.9	3.3	3.2	3.7	4.1
THERMALGARD® CAP NRR-22	Mean	18	20	28	31	33	35	37	41	41
	Std Dev (dBA)	3.4	2.6	3.6	3.2	3.7	3.8	3.4	3.9	4.3
VANGUARD® CAP NRR-23	Mean	17	20	29	33	33	37	39	41	41
	Std Dev (dBA)	3.5	2.7	3.2	2.5	2.8	4.4	4.1	2.5	3.6

*Meets CSA Class A



SoundControl SH Full Brim Model (PN 10129327)*

	Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
V-GARD SLOTTED FULL BRIM HAT NRR-25	Mean	16.3	20.5	27.4	37.8	37.6	39.2	39.2	38.1	41.7
	Std Dev (dBA)	1.7	2.7	2.8	1.8	2.0	2.9	2.9	2.9	1.8
	APV - valuation (84%)	14.6	17.8	24.6	36.0	35.6	36.3	35.2	35.2	39.9

*Meets CSA Class A



Connect-by-Cable Cap-Mounted Headset (PN 10061230)*

	Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
V-GARD® CAP V-GARD 500 CAP TOPGARD CAP THERMALGARD CAP VANGUARD CAP SUPER-V CAP NRR-23	Mean	17	22	28	33	34	33	36	39	36
	Std Dev (dBA)	3.4	3.1	2.8	2.5	3.2	2.6	2.9	3.3	3.1

*Meets CSA Class A



For information about these SoundControl helmet-mounted protectors, or any MSA product, please contact MSA Customer Service at 1-800-MSA-2222 or visit www.MSASafety.com.

Note: This bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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ID 0900-56-MC / Nov 2014

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