

**Harman/Kardon Multi-channel Amplifiers vs. Competitors**

Comparison between the Rated Output Power and the Measured (Real) Output Power with 5 - 2 - 1 channels, @ 8 and 4 Ohms

All the measures were performed by the Italian Hi-Fi Magazine "AF Digitale" from 2007 to 2009.

Model	Rated Power @ 8 or 6 Ohms (Channels x Watts)	Reference power for sheet calculation	Measured Output Power @ 8 Ohms (5 channels)	Measured vs. Rated Output Power @ 8 Ohms (5 channels)	Measured Output Power @ 8 Ohms (2 channels)	Measured vs. Rated Output Power @ 8 Ohms (2 channels)	Measured Output Power @ 8 Ohms (1 channel)	Measured vs. Rated Output Power @ 8 Ohms (1 channel)	Measured Output Power @ 4 Ohms (5 channels)	Measured vs. Rated Output Power @ 4 Ohms (5 channels)	Measured Output Power @ 4 Ohms (2 channels)	Measured vs. Rated Output Power @ 4 Ohms (2 channels)	Measured Output Power @ 4 Ohms (1 channel)	Measured vs. Rated Output Power @ 4 Ohms (1 channel)
HARMAN/KARDON AVR355	7 x 65	65	62	95%	75	115%	83	128%	90	138%	119	183%	138	212%
MARANTZ ZR6001	7 x 95	95	90	95%	103	108%	116	122%	114	120%	153	161%	169	178%
MARANTZ SR3001	7 x 60	60	54	90%	68	113%	76	127%	73	122%	93	155%	108	180%
MARANTZ SR7002	7 x 110	110	92	84%	119	108%	136	124%	124	113%	158	144%	177	161%
MARANTZ SR6003	7 x 100	100	82	82%	101	101%	115	115%	101	101%	145	145%	176	176%
DENON AVR-3808	7 x 130	130	101	78%	141	108%	162	125%	106	82%	218	168%	261	201%
DENON AVR-4308	7 x 140	140	108	77%	139	99%	161	115%	133	95%	199	142%	256	183%
PIONEER SC-LX82	7 x 140	140	108	77%	136	97%	147	105%	97	69%	140	100%	152	109%
DENON AVR-1910	7 x 90	90	67	74%	87	97%	101	112%	61	68%	64	71%	68	76%
YAMAHA DSP-Z7	7 x 140	140	97	69%	134	96%	153	109%	91	65%	135	96%	160	114%
DENON AVR-2809	7 x 115	115	78	68%	117	102%	136	118%	84	73%	164	143%	202	176%
ONKYO TX-SR805	7 x 170	170	114	67%	137	81%	155	91%	91	54%	115	68%	133	78%
PIONEER VSX-516	6 x 100	100	62	62%	97	97%	112	112%	76	76%	130	130%	144	144%
YAMAHA RX-V1065	7 x 105	105	65	62%	105	100%	120	114%	81	77%	137	130%	154	147%
PIONEER VSX-LX51	7 x 120	120	73	61%	115	96%	132	110%	67	56%	170	142%	199	166%
ONKYO TX-NR905	7 x 220	220	126	57%	135	61%	152	69%	116	53%	120	55%	133	60%
ONKYO TX-SR875	7 x 200	200	112	56%	143	72%	158	79%	97	49%	122	61%	140	70%
PIONEER VSX-LX60	7 x 140	140	67	48%	146	104%	167	119%	81	58%	218	156%	258	184%
ONKYO TX-SR806	7 x 180	180	81	45%	118	66%	132	73%	38	21%	47	26%	53	29%
SHERWOOD R-872	7 x 100	100	42	42%	91	91%	107	107%	22	22%	101	101%	164	164%
YAMAHA RXV-1900	7 x 130	130	50	38%	131	101%	147	113%	32	25%	132	102%	142	109%
ONKYO TX-SR606	5 x 140	140	47	34%	89	64%	102	73%	28	20%	36	26%	43	31%
YAMAHA RX-V2700	7 x 140	140	46	33%	135	96%	148	106%	34	24%	140	100%	149	106%
YAMAHA RX-V3800	7 x 140	140	43	31%	139	99%	140	100%	41	29%	141	101%	143	102%
SONY STR-DA5300ES	7 x 120	120	31	26%	124	103%	144	120%	15	13%	104	87%	115	96%
SONY STR-DA3400ES	7 x 100	100	19	19%	79	79%	95	95%	8	8%	74	74%	87	87%
ONKYO TX-SR607	7 x 140	140	25	18%	93	66%	104	74%	37	26%	36	26%	43	31%
SONY STR-DA3200ES	7 x 110	110	17	15%	116	105%	131	119%	14	13%	98	89%	112	102%
ONKYO TX-SR307	5 x 100	100	8	8%	55	55%	60	60%	15	15%	21	21%	25	25%

**Harman/Kardon Stereo Amplifiers**

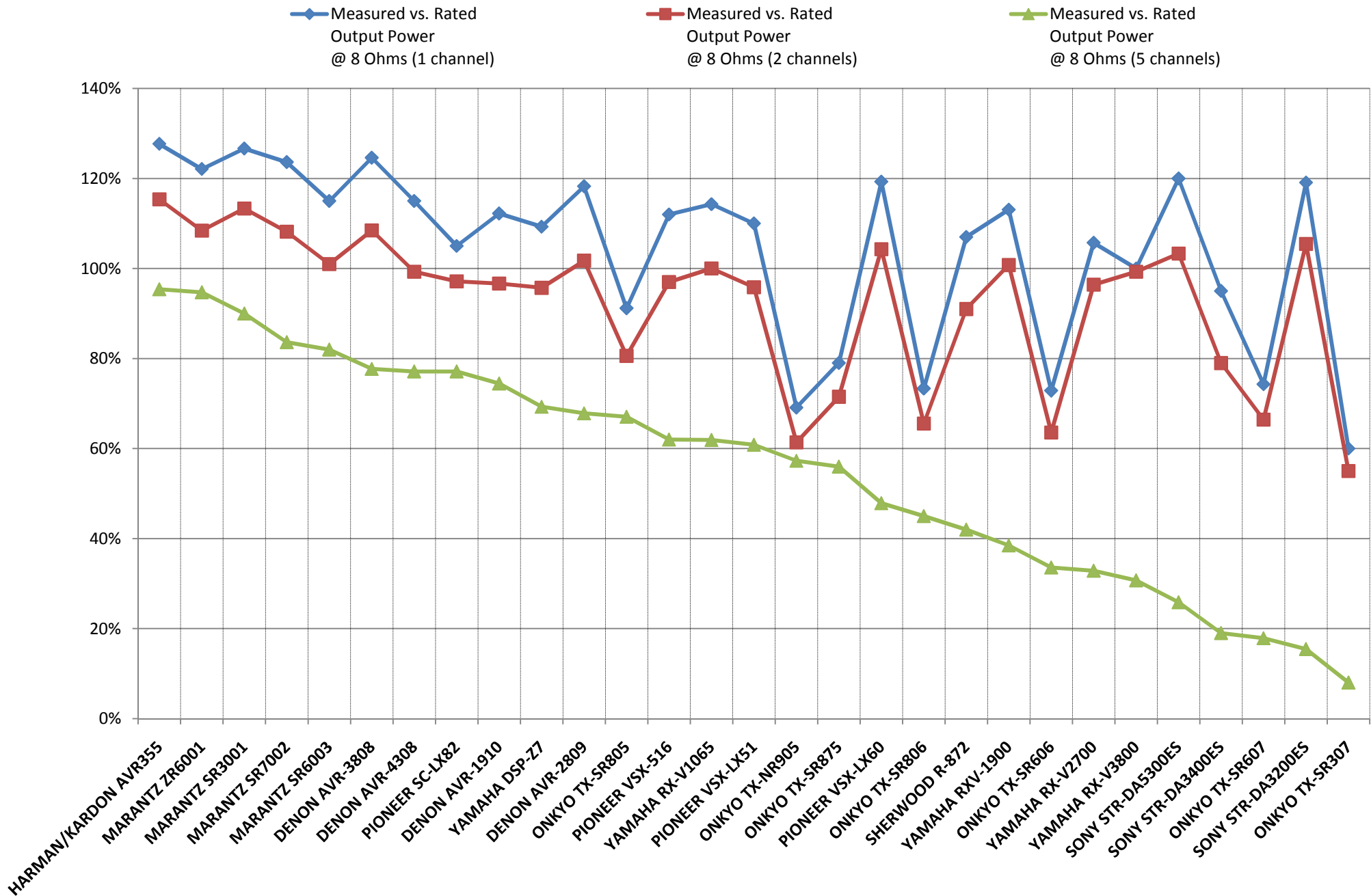
Comparison between the Rated Output Power and the Measured (Real) Output Power with 2 channels, @ 8 and 4 Ohms

All the measures were performed by various Hi-Fi Magazines all along 30 years (from 1980 to 2009).

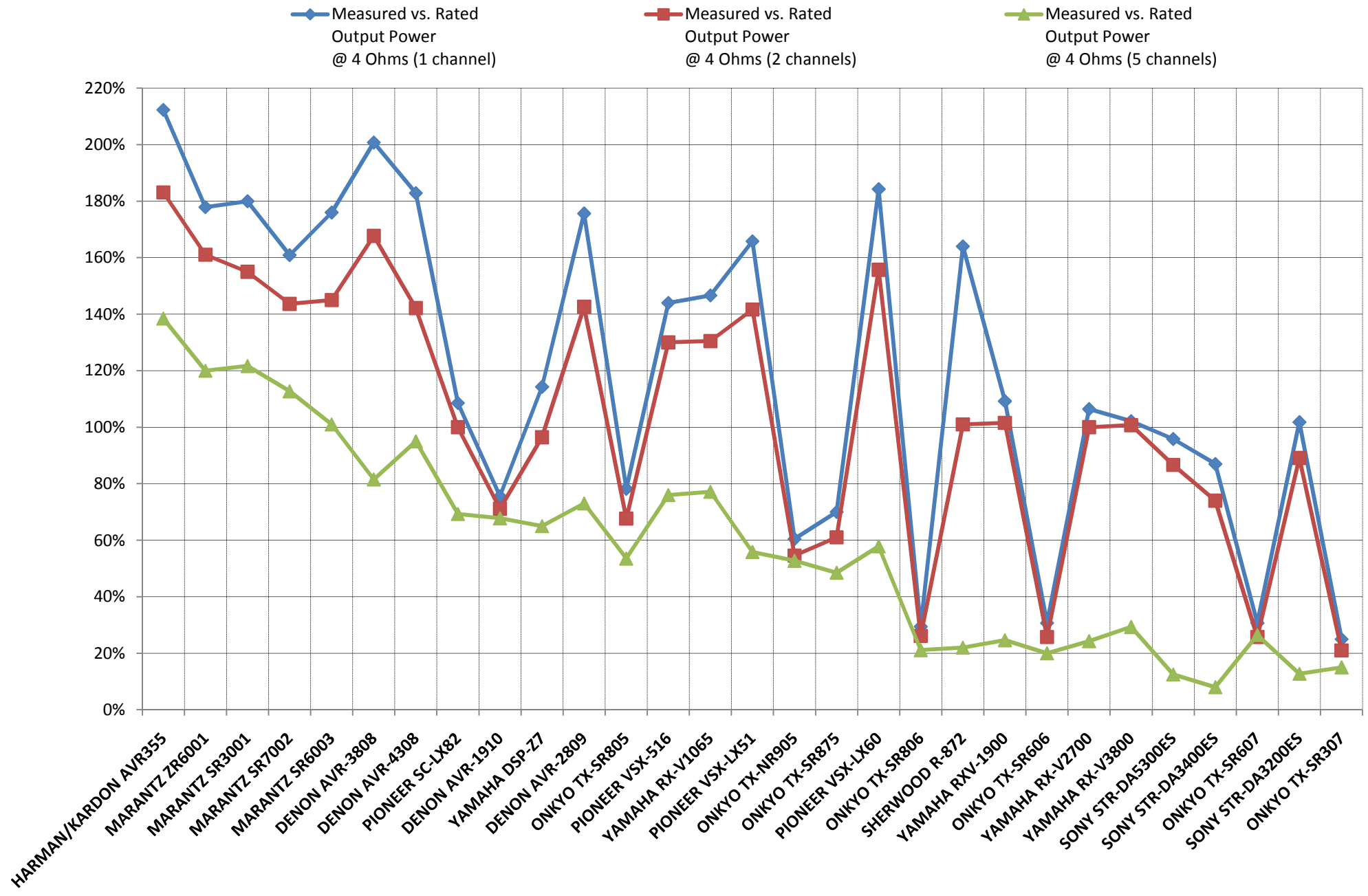
**Legenda:**

- Power 100% and over
- Power from 95% to 99%
- Power from 71% to 94%
- Power 70% and lower

Model	Hi-Fi Magazine	Rated Power @ 8 Ohms (Stereo)	Reference power for sheet calculation	Measured Output Power @ 8 Ohms (2 channels)	Measured vs. Rated Output Power @ 8 Ohms (2 channels)	Measured Output Power @ 4 Ohms (2 channels)	Measured vs. Rated Output Power @ 4 Ohms (2 channels)
HK770 (1980)	Audiovisione	65 W	65	82	126%	135	208%
HK775 (1982)	Audiovisione	135 W	135	177	131%	262	194%
CITATION XX (1984)	Audio Review	250 W	250	314	126%	560	224%
PM655VXI (1989)	HIFI News	65 W	65	73	112%	113	174%
AP2400 (1994)	Audio Review	120 W	120	132	110%	218	182%
HK970 (2007)	AF Digitale	80 W	80	86	108%	126	158%
HK990 (2009)	Audio Review	150 W	150	176	117%	279	186%



**Comparison between the Rated Output Power and the Measured (Real) Output Power with 5 - 2 - 1 channels, @ 8 Ohms**



**Comparison between the Rated Output Power and the Measured (Real) Output Power with 5 - 2 - 1 channels, @ 4 Ohms**

### History of Harman/Kardon Stereo Amplifiers in 30 years: Comparison between the Rated Output Power and the Measured (Real) Output Power with 2 channels, @ 8 and 4 Ohms

