

**CTA-2010 results scaled to 1M peak equivalent (updated 9/24)**

NM = not measured, NA = no measureable output

MODEL	Driver	Loading	avg.							avg.			
			80 Hz	40-63 Hz	63 Hz	50 Hz	40 Hz	20-31.5 Hz	31.5 Hz	25 Hz	20 Hz	16 Hz	
Andover Audio SpinSub	(2) 6.5"	ported	109.6	107.1	110.3	105.5	104.3	92.5	98.6	91.2	NA	NA	
Artison RCC Nano 1	(2) 6.5"	sealed	NM	109.2	115.6	105.6	97.6	86.0	92.1	82.8	75.0	NM	
Atlantic Technology 224SB	10"	sealed	119.1	113.2	118.1	112.3	103.8	93.1	97.6	90.6	88.2	80.8	
Bestisan SW65D	6.5"	ported	112.4	104.7	110.0	103.5	94.3	NA	NA	NA	NA	NA	
BIC V1020	10"	ported	118.4	114.0	116.1	114.3	110.8	96.5	104.0	90.3	79.3	NM	
BIC V1220	12"	ported	118.7	115.0	117.7	116.1	109.2	102.9	107.7	101.5	94.9	NM	
Dayton Audio MKSX4 (w/Outlaw M2200 amp)	4 x 4"	ported	118.3	112.1	116.3	112.8	101.4	NA	84.7	NA	NA	NA	
Dayton Audio SUB-1000L	10"	ported	114.7	108.8	111.9	108.3	104.9	97.0	100.9	96.8	89.9	NM	
Dayton Audio SUB-1200	12"	ported	117.2	114.8	117.2	114.8	111.3	102.0	106.8	101.7	91.5	82.1	
Dayton Audio SUB-1500	15"	ported	118.1	114.0	117.3	115.4	110.6	102.7	106.4	103.2	94.9	NM	
Definitive Technology Descendo DN10	10"	PR	114.9	110.9	116.7	117.0	117.1	106.6	112.2	105.2	94.1	NA	
Definitive Technology Supercube 2000	7.5"	PR	116.3	114.0	116.3	115.0	109.4	97.1	103.6	94.7	80.1	NA	
Definitive Technology Supercube 8000	11"	PR	NM	117.6	117.2	118.6	117.2	106.4	108.6	107.4	102.0	NM	
ELAC IW-S10EQ in-wall (1.32cf box)	10"	in-wall (sealed)	111.6	105.1	108.2	105.5	99.4	99.7	100.2	101.7	96.2	93.1	
ELAC IW-S10EQ in-wall (2.08cf box)	10"	in-wall (sealed)	113.9	108.8	110.5	109.0	106.3	101.8	103.9	103.3	96.2	92.0	
ELAC Varro PS350	12"	ported	116.9	118.7	120.1	118.5	117.4	106.0	111.4	105.4	91.5	NA	
ELAC SUB3010 (Flat mode)	10"	PR	114.6	111.1	114.5	110.6	106.1	98.4	103.9	97.9	83.8	NA	
ELAC SUB3070 (Flat mode)	(2) 12"	sealed	126.5	123.8	127.3	123.7	118.0	106.7	110.7	105.2	101.8	98.9	
Emotiva Airmotiv S10	10"	PR	112.9	110.4	111.8	110.8	108.1	102.9	106.6	103.7	94.0	80.4	
Emotiva BasX S12	12"	ported	118.1	117.4	118.5	118.7	114.2	107.9	112.1	107.1	101.4	92.4	
Focal Sub Air	8"	ported	114.3	108.9	113.6	108.2	100.0	NA	91.4	NA	NA	NA	
Harbinger V2218S (pro model)	18"	ported	131.7	131.1	132.2	129.0	122.8	109.6	118.0	99.7	81.7	NM	
Hsu Research VTF-15H Mk2 (ported max output mode)	15"	ported/sealed	NM	126.9	127.0	127.1	126.7	119.9	124.4	119.3	111.5	NM	
Hsu Research VTF-15H Mk2 (sealed max headroom mode)	15"	ported/sealed	NM	117.8	118.2	117.8	117.3	107.4	111.8	106.1	101.1	NM	
Hsu Research VTF-15H Mk2 (ported max headroom mode)	15"	ported/sealed	NM	125.1	125.8	125.1	124.3	119.8	122.8	120.4	114.1	NM	
Hsu Research VTF-2 Mk5 (ported max output mode)	12"	ported/sealed	121.7	120.8	121.6	121.5	119.2	114.4	118.0	114.9	107.0	97.0	
Hsu Research VTF-2 Mk5 (sealed max headroom mode)	12"	ported/sealed	120.4	118.1	119.5	118.9	115.3	106.9	112.5	102.7	100.7	97.4	
Hsu Research VTF-2 Mk5 (ported max headroom mode)	12"	ported/sealed	121.0	119.6	120.5	120.4	117.7	112.8	115.6	112.1	109.7	106.6	
JBL L10cs	10"	ported	117.8	118.1	120.0	118.2	115.6	103.3	108.9	103.0	84.9	NA	
KEF Kube 10B	10"	PR	117.1	113.3	115.9	113.1	109.9	102.6	106.7	99.5	99.4	92.3	
KEF T-2	10"	sealed	116.3	110.8	114.1	110.4	106.1	97.5	102.2	95.8	90.6	84.3	
Klipsch Flexus Sub 100	10"	sealed	NM	109.5	112.4	109.0	105.9	97.1	101.2	96.7	90.2	NM	
Klipsch R-115SW	15"	ported	NM	123.2	123.3	124.7	121.4	114.6	118.6	113.8	108.7	NM	
Klipsch SPL-120	12"	ported	121.2	119.3	120.9	119.8	116.8	108.6	113.5	108.2	97.9	87.2	
Kreisel Sound DVD-12012	(2) 12"	sealed	NM	122.5	123.2	123.1	121.2	109.8	112.7	110.3	104.7	NM	
Magico Asub	10"	sealed	112.1	115.1	114.9	115.7	113.8	104.2	108.8	102.8	97.3	87.8	
MartinLogan Dynamo 600X	10"	ported	114.8	112.5	115.5	111.9	108.9	104.7	108.1	104.8	98.8	90.0	
Monoprice 9723	12"	ported	121.6	115.9	119.6	115.6	109.9	99.3	104.3	98.2	90.3	NM	
Monoprice 14567	8"	ported	117.8	112.0	116.7	110.8	104.3	89.0	97.8	75.3	57.3	NM	
Monoprice 605999	10"	ported	121.2	116.1	119.4	115.9	111.0	95.9	103.2	90.6	79.3	NM	
Monoprice Monolith THX 24458 (3 ports open, THX mode)	15"	ported/sealed	124.1	125.0	125.2	125.1	124.7	121.1	124.0	121.6	115.7	111.3	
Monoprice Monolith THX 24458 (sealed, THX mode)	15"	ported/sealed	123.5	122.8	124.0	122.7	121.6	117.3	120.3	117.6	112.1	109.1	
Monoprice Monolith THX 121456	10"	sealed	116.5	113.3	115.3	113.3	110.7	106.0	109.2	106.1	100.6	98.0	
Monoprice SSW-10	10"	ported	122.1	113.2	118.4	110.7	105.7	89.9	96.8	85.2	76.8	NA	
Monoprice SW-12	12"	ported	123.0	120.7	122.9	119.7	119.0	111.1	115.2	111.1	102.7	90.6	
Monoprice SW-15	15"	ported	123.5	123.7	125.6	123.7	111.1	112.9	116.7	112.6	106.7	100.9	
OEM Systems ICBM in-wall (2 subs, supplied back box)	8"	sealed	NM	113.0	116.8	113.2	105.7	96.5	100.6	94.8	91.9	NM	
OEM Systems ICBM in-wall (4 subs, supplied back box)	8"	sealed	NM	117.9	121.2	118.4	111.3	101.8	105.6	100.4	97.5	NM	
OSD PS10	10"	ported	116.1	111.7	115.9	111.3	104.5	93.6	98.0	93.3	85.0	NA	
OSD SS8	8"	ported	115.7	110.8	115.6	109.2	103.6	86.2	90.3	86.6	76.7	NA	
Onkyo SKW204	10"	ported	121.4	115.2	119.6	114.0	108.7	95.8	103.3	90.1	77.3	NM	
Outlaw Ultra-X12 (max output mode)	12"	ported	NM	120.7	122.3	121.4	117.8	113.7	116.1	115.0	108.3	NM	
Outlaw Ultra-X12 (max extension mode)	12"	ported	NM	119.2	120.8	120.2	115.5	111.4	112.9	111.5	109.3	NM	
Outlaw Ultra-X13 (ported mode)	13"	ported/sealed	123.6	123.1	123.7	123.2	122.3	119.1	122.0	119.5	114.1	106.6	
Outlaw Ultra-X13 (sealed mode)	13"	ported/sealed	122.7	120.6	122.2	121.0	118.1	112.5	115.9	112.4	106.8	102.5	
Paradigm Defiance X10	10"	ported	115.5	113.7	116.6	113.0	110.5	100.8	107.4	98.2	82.7	NA	
Polk DSW Pro660	12"	ported	120.9	119.3	122.0	119.4	115.3	103.5	110.7	98.0	88.0	NA	
Polk HTS10	10"	ported	116.2	114.6	116.9	114.4	111.6	102.5	109.3	98.7	86.1	NA	
Polk PSW10	10"	ported	118.8	114.7	118.0	114.8	109.1	98.7	104.1	97.3	87.8	NA	
Polk PSW110	10"	ported	118.5	114.7	117.9	114.3	110.3	96.1	104.2	87.1	77.6	NM	
Polk PSW111	8"	ported	116.0	111.6	115.1	111.0	106.5	84.4	91.9	76.1	72.6	NM	
PowerSound Audio S3600i	(2) 18"	sealed	132.9	130.8	133.4	131.8	125.9	115.5	119.6	113.9	110.7	107.1	
Pioneer SW-8MK2	8"	ported	114.6	112.2	114.2	113.8	107.0	94.8	102.8	87.4	69.4	NM	

PreSonus Eris Sub 8BT	8"	ported	115.3	110.9	115.0	109.4	105.7	94.0	99.6	93.5	77.7	NA
Pro Audio Technology LFC-24SM	24"	ported	NM	135.5	135.2	136.0	135.4	130.5	133.6	131.4	123.7	NM
PSB SubSeries 100	5.5"	sealed	NM	100.2	104.3	99.3	94.1	83.3	87.6	81.4	78.1	NM
PSB SubSeries 250	10"	sealed	116.6	111.9	115.7	111.0	106.9	98.0	102.2	96.7	92.5	90.0
PSB SubSeries 450	12"	PR x2	124.9	121.6	124.3	121.8	117.4	108.3	114.1	107.1	94.1	NM
Q Acoustics 3060S	8"	sealed	114.3	106.4	110.8	105.6	99.3	89.4	95.3	88.7	NA	NA
Q Acoustics Q B12	12"	sealed	117.7	114.6	117.1	114.6	111.4	104.9	108.5	104.9	98.4	95.2
REL T-7	8"	PR	NM	112.3	111.5	113.3	111.9	97.7	104.9	93.9	74.0	NM
Revel B8	8"	sealed	116.2	110.9	115.1	109.6	105.3	87.8	96.8	72.7	54.7	NM
Rogersound Speedwoofer 10	10"	ported	NM	119.2	120.1	120.1	117.0	108.6	113.7	107.1	99.7	NM
Rogersound Speedwoofer 10E	10"	ported	115.1	116.8	117.3	117.0	116.0	108.5	112.4	109.1	99.7	74.8
Rogersound Speedwoofer 10S (original model)	10"	ported	116.5	115.5	117.1	115.9	113.0	107.5	111.2	107.2	101.5	NM
Rogersound Speedwoofer 10S MkII (LFE mode)	10"	ported	115.9	115.9	116.9	116.1	113.7	108.8	111.5	108.7	102.4	89.4
Rogersound Speedwoofer 10S MkII (music mode, 200Hz xo	10"	ported	115.5	115.3	116.4	115.7	113.7	108.8	112.6	108.6	102.0	88.7
Rogersound Speedwoofer 12	12"	ported	114.0	116.2	115.3	115.2	117.9	114.2	116.5	114.6	110.5	103.2
Roku Subwoofer 9201X	10"	sealed	99.2	100.4	101.1	101.6	98.0	87.4	91.1	85.3	83.9	NA
Rythmik F12	12"	sealed	119.6	119.3	120.4	119.1	118.3	109.0	113.5	106.7	103.6	101.0
Rythmik LV12 (low music mode)	12"	ported	119.2	120.6	121.4	120.2	120.0	113.0	116.3	112.9	107.6	100.1
Rythmik LV12 (low HT mode)	12"	ported	119.6	120.3	121.0	119.8	120.2	113.0	116.4	112.7	107.9	101.4
Rythmik LV12 (high mode)	12"	ported	119.3	120.6	121.2	120.4	120.2	113.2	116.6	113.2	107.7	101.0
Sonos Sub	(2) 4.5x7"	sealed	NM	113.7	114.9	114.8	110.9	NA	99.0	NA	NA	NA
Sonos Sub Mini	(2) 6"	sealed	109.5	105.7	108.8	104.1	103.2	92.1	97.9	89.1	82.4	NA
Sony SAC-S9	10"	ported	116.9	112.8	117.2	112.4	104.3	94.5	98.8	95.1	83.7	NA
Sumiko S.9	10"	PR	NM	114.5	115.7	115.9	111.0	103.5	108.9	102.9	90.1	NM
Sunfire XTEQ12	12"	PR	NM	116.2	118.4	117.0	112.1	105.9	109.2	105.5	98.4	NM
SVS 3000 Micro	(2) 8"	sealed	122.1	112.4	117.5	110.7	103.6	94.5	98.3	92.9	90.6	NA
SVS PB-2000	12"	ported	NM	119.7	120.5	119.5	119.1	116.3	118.3	116.6	112.8	NM
SVS PB-2000 Pro (ports open)	12"	ported/sealed	118.8	119.1	120.3	118.8	118.2	110.8	114.0	111.7	103.9	96.4
SVS PB-2000 (ports plugged)	12"	ported/sealed	117.8	117.4	118.7	116.9	116.3	106.6	111.3	105.2	99.1	95.2
SVS PC13-Ultra (20 Hz mode, ports open)	13"	ported/sealed	NM	125.8	125.9	125.2	126.2	116.9	118.3	117.5	114.6	NM
SVS PC13-Ultra (all ports plugged)	13"	ported/sealed	NM	123.9	125.2	123.7	122.7	108.2	112.8	105.8	103.0	NM
SVS SB-1000	12"	sealed	116.5	116.7	118.6	118.1	111.9	103.3	107.4	103.1	95.5	91.5
SVS SB-1000 Pro	12"	sealed	117.2	116.6	119.5	116.9	111.5	102.5	107.0	101.8	94.8	90.9
SVS SB-2000	12"	sealed	NM	117.8	118.2	117.8	117.3	107.4	111.8	106.1	101.1	NM
SVS SB-2000 Pro	12"	sealed	119.2	117.1	119.3	116.8	114.4	106.7	111.6	104.9	99.6	96.5
SVS SB16-Ultra	16"	sealed	124.6	122.4	123.4	123.0	120.5	114.1	118.3	113.0	108.1	103.5
Thiel SmartSub 1.12 (music mode)	12"	sealed	116.1	116.4	118.9	117.1	111.8	108.5	111.0	109.1	104.1	NM
Thiel SmartSub 1.12 (movie mode)	12"	sealed	117.1	117.8	120.0	117.9	114.8	111.6	115.5	111.2	105.4	NM
Yamaha YST-SW012	8"	ported	116.2	105.8	109.9	105.5	98.7	84.2	91.5	80.0	62.0	NM
Yamaha YST-SW215	8"	ported	118.5	108.4	113.5	106.8	99.7	87.0	92.6	85.7	74.5	NM