

Data for Gaudi II

2015/2/23

2015/8/21

Required maximum output powers _____

Measure the peak voltage that appears in the output of each power amplifier.

Use Gaudi in the standard setting.

Use the following music source:

Woofers

- (1) Also Sprach Zarathustra --- Vinyl disc
- (2) Mahler: Symphony No. 6 --- DSD5.6 recording of the SACD
- (3) Ondeko-za (I) --- Ripped PCM 44.1kHz/16bit file from the CD

Midrange

- (1) Also Sprach Zarathustra --- Vinyl disc
- (2) Mahler: Symphony No. 6 --- DSD5.6 recording of the SACD
- (4) Listz Piano Recital --- Vnyl disc

Tweeters

- (1) Also Sprach Zarathustra --- Vinyl disc
- (4) Listz Piano Recital --- Vinyl disc
- (5) Basie Jam --- Vinyl disc

Measured data:

Peak level [V]		Date:	2015/8/17	Time:	14:15	T _A :	29 [deg C]
	Source	Woofers(L)	Woofers(R)	Midrange(L)	Midrange(R)	Tweeter(L)	Tweeter(R)
Usual Volume	Source 1		9.945 [V]		2.257 [V]		0.314 [V]
	Source 2		7.624 [V]		0.950 [V]		0.238 [V]
	Source 3		15.760 [V]		2.800 [V]		0.295 [V]
	Source 4				2.526 [V]		0.227 [V]
	Source 5				2.470 [V]		1.407 [V]
Full Volume	Source 1		18.130 [V]		3.204 [V]		0.666 [V]
	Source 2		18.160 [V]		2.466 [V]		0.646 [V]
	Source 3		27.360 [V]		3.439 [V]		0.605 [V]
	Source 4				4.752 [V]		0.319 [V]
	Source 5				6.157 [V]		2.811 [V]
True peak [V]	Usual volume	0.000 [V]	15.760 [V]	0.000 [V]	2.800 [V]	0.000 [V]	1.407 [V]
	Full volume	0.000 [V]	27.360 [V]	0.000 [V]	6.157 [V]	0.000 [V]	2.811 [V]
True peak [W]	Usual volume	0.00 [W]	15.52 [W]	0.00 [W]	0.49 [W]	0.00 [W]	0.12 [W]
	Full volume	0.00 [W]	46.79 [W]	0.00 [W]	2.37 [W]	0.00 [W]	0.49 [W]

The jazz LP overwhelms classical discs in power at mid to high frequencies.

The average level = 1/8-1/10 of peak level in midrange.

The average level = 1/20-1/25 of peak level in HF.

Preparation

Clean the LPs

Digitally record the LPs and the SACD.

Mark the peak part of Mahler's Symphony No. 6.