

HIGH REFLECTIVITY TEST CD-RW

For Checking CD Players and CD Drives TCD-W082H/ TCD-W002R (Unrecorded)

1. Purpose of use, Features

TCD-W082H is a Test Disc designed for various kinds of confirmation of operation and playability for high reflection CD-RW of CD Players and Drives etc..

Reflectivity is managed as 25%.

As for Audio characteristics, measurement of Frequency Response, Dynamic Range, S/N Ratio, Channel Separation, De-Emphasis and Tone Control are available to confirm.

Long time access check and Index Search are also available.

As for TCD-W002R, it is not formatted nor recorded.

2. Specifications

- Disc type : High Reflection CD-RW Disc (650Mbytes/ 74min)
- Format : CD-DA
- Recorded time : 1hr. 5min. 29sec.
- Scanning velocity : 1.2 m/sec (for reference)
- Track pitch : 1.6 μm (for reference)
- Outer diameter : 120 ± 0.3 mm
- Center hole diameter : 15.0 +0.1/ -0 mm
- Disc thickness : 1.2 +0.3/ -0.1 mm
- Eccentricity : ≤ 70 μm (0-p)
- Radial tilt (β angle) : ≤ ±0.6 deg
- Reflectivity (Rtop)

Model name	Reflectivity	Specification	Description
TCD-W082L	25 ± 2 % with PBS *	15% < Rtop < 25%	For testing maximum value specified in CD-RW Specifications

note1) Reflectivity (Rtop) is measured value at user data area (except Index 0) by our standard equipment after recorded once by our standard recorder.

note2) Physical Characteristics other than Reflectivity comply with Recordable Compact Disc Systems Part 3 Ver.2.

* PBS is acronym standing for Polarization Beam Splitter.

3. Content

Track No.	Index	Time		Contents	Channel	Level dB	Emphasis	Purpose
		min	sec					
1	1	3	32	Minuetto	L & R	-	ON	General
2	1	0	56	1kHz Sine wave	L & R	0	OFF	Reference level
3	1	0	56	17Hz Sine wave	L & R	0	OFF	Frequency response THD vs. Frequency
4	1	0	56	127Hz Sine wave	L & R	0	OFF	
5	1	0	56	997Hz Sine wave	L & R	0	OFF	
6	1	0	56	10007Hz Sine wave	L & R	0	OFF	
7	1	0	56	19997Hz Sine wave	L & R	0	OFF	
8	1	0	56	Infinity 0	L & R	-∞	OFF	S/N
9	1	0	56	1kHz Sine wave	L	0	OFF	Channel separation
10	1	0	56	10kHz Sine wave	L	0	OFF	
11	1	0	56	1kHz Sine wave	R	0	OFF	
12	1	0	56	10kHz Sine wave	R	0	OFF	
13	1	0	56	4kHz Sine wave	L & R	-20	ON	De-emphasis error
14	1	0	56	16kHz Sine wave	L & R	-20	ON	Tone control Frequency response
15	1	0	56	100Hz Sine wave	L & R	-20	OFF	
16	1	0	56	1kHz Sine wave	L & R	-20	OFF	
17	1	0	56	10kHz Sine wave	L & R	-20	OFF	Dynamic range
18	1	0	56	997Hz Sine wave	L & R	-59.94	OFF	
19	1	3	31	Clair de Lune	L & R	-	ON	General
20	1	3	19	Ouverture Miniature	L & R	-	OFF	General
21	1~20	8	09	Maiden's Prayer and Fantaisie-Impromptu	L & R	-	ON	Index
22	1	27	13	Blank	L & R	-	OFF	Blank for long time access
23	1	2	27	Marche	L & R	-	OFF	Long time access
TOTAL TIME (Including pause time) 65min 29sec								

note) Please be careful not to erase the content from, nor overwrite TCD-W082H.

Values in this sheet are measured by the equipments ALMEDIO-owned. Appearance and specifications are subject to change without notice.

<Proper handling of the disc>
Do not write on the surface with a pen and others, nor put a sticker on it.
Do not expose the disc to direct sunlight, nor leave it in the place of high temperature and high humidity.
After playing, store the disc in its own case.

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