

## TEST DVD-VIDEO

# For Checking DVD Players, DVD Recorders and DVD Drives TDV-540A

### 1. Purpose of use, Features

TDV-540A is a Test Disc designed for confirmation of various kinds of operation, evaluation, measurement and adjustment of DVD Players, Recorders and Drives.

Motion picture (Time Code is included) and 4:3 Test Pattern etc. are recorded as Video contents.

Music (Dolby Digital 2ch) and various kinds of Test signals of Dolby Digital 2ch, LPCM 48kHz 24bit 2ch and LPCM 96kHz 24bit 2ch are recorded as Audio contents.

### 2. Specifications

- Disc type : DVD-VIDEO Disc Single Sided Dual Layer  
NTSC
- Disc structure : Opposite track path
- Capacity : 8.5 Gbytes
- Recorded Time : 2hrs 19min
- Video Codec : MPEG-2
- Bit Rate : 1.5, 2.6, 4, 8 Mbps
- Region : 1, 2, 3, 4, 5, 6
- Menu : None (Auto start, Continuous playback)
- Subtitle : None
- Physical Characteristics: Complies with DVD Specifications for Read-Only Disc Part1 Physical Specificatic  
Version 1.0
- File System : UDF 1.02
- Application : Complies with DVD Specifications for Read-Only Disc Part3 Video Specifications  
Version 1.0
- Content Protection  
CSS : None

### 3. Content

Title No.	Layer	Chapter No.	Time		Video Description		Audio Stream 1								
			min	sec	Contents	Rate Mbps	Dolby Digital 2ch	Channel	Rate kbps						
1	0	1	2	40	Motion Picture	8	Music	L&R	384						
		2	2	57	Motion Picture	8	Music	L&R	384						
		3	3	11	Motion Picture	8	Music	L&R	384						
		4	3	26	Motion Picture	8	Music	L&R	384						
		5	3	40	Motion Picture	8	Music	L&R	384						
		6	3	55	Motion Picture	8	Music	L&R	384						
		7	4	09	Motion Picture	8	Music	L&R	384						
		8	4	23	Motion Picture	8	Music	L&R	384						
		9	4	38	Motion Picture	8	Music	L&R	384						
		10	4	52	Motion Picture	8	Music	L&R	384						
		11	5	07	Motion Picture	8	Music	L&R	384						
		12	5	21	Motion Picture	8	Music	L&R	384						
		13	5	35	Motion Picture	8	Music	L&R	384						
		14	5	50	Motion Picture	8	Music	L&R	384						
		15	6	04	Motion Picture	8	Music	L&R	384						
		16	1	35	Motion Picture	8	Music	L&R	384						
		17	0	16	Motion Picture	8	Music	L&R	384						
		Layer0 End	67	39											
1	17	21	21	Motion Picture	8	Music	L&R	384							
2	1	1	1	00	SMPTE Color Bar 75%	2.6	1kHz 0dB	L&R	384	1kHz 0dB	L&R	2304			
		2	1	00	SMPTE Color Bar 75%	2.6	1kHz -60dB	L&R	384	1kHz -60dB	L&R	2304			
		3	1	00	SMPTE Color Bar 75%	2.6	12kHz ±1LSB	L&R	384	24kHz ±1LSB	L&R	2304			
		4	1	00	White 50%	2.6	Infinity 0	L&R	384	Infinity 0	L&R	2304			
		5	1	00	10 step	2.6	4Hz~20kHz Sweep -20dB	L&R	384	4Hz~22kHz Sweep -20dB	L&R	2304			
		6	1	00	White 100%	2.6	4Hz~20kHz Sweep 0dB	L	384	4Hz~22kHz Sweep 0dB	L	2304			
		7	1	00	Black 0%	2.6	4Hz~20kHz Sweep 0dB	R	384	4Hz~22kHz Sweep 0dB	R	2304			
		8	1	00	Multi Burst 60% ※1	2.6	1kHz 0dB	L	384	1kHz 0dB	L	2304			
		9	1	00	Multi Burst 100% ※1	2.6	1kHz 0dB	R	384	1kHz 0dB	R	2304			
		10	1	00	Pulse & Bar	2.6	Level Sweep 1kHz ※2	L	384	Level Sweep 1kHz ※2	L	2304			
		11	1	00	Ramp	2.6	Level Sweep 1kHz ※2	R	384	Level Sweep 1kHz ※2	R	2304			
		12	1	00	Auto Test Matrix	2.6	997Hz -20dB	L&R	384	997Hz -90dB	L&R	2304			
		13	1	00	Multi Pulse	2.6	997Hz -60dB	L&R	384	997Hz -100dB	L&R	2304			
		14	1	00	Sweep 1	2.6	997Hz -70dB	L&R	384	997Hz -110dB	L&R	2304			
		15	1	00	Sweep 2	2.6	997Hz -80dB	L&R	384	997Hz -120dB	L&R	2304			
		16	1	00	Monoscope	2.6	997Hz -90dB	L&R	384	997Hz -138dB	L&R	2304			
		17	1	00	Magenta 100%	2.6	Impulse ※3	L&R	384	Impulse ※3	L&R	2304			
3	1	1	1	00	SMPTE Color Bar 75%	4	1kHz 0dB	L&R	4608						
		2	1	00	SMPTE Color Bar 75%	4	1kHz -60dB	L&R	4608						
		3	1	00	SMPTE Color Bar 75%	4	48kHz ±1LSB	L&R	4608						
		4	1	00	White 50%	4	Infinity 0	L&R	4608						
		5	1	00	10 step	4	4Hz~44kHz Sweep -20dB	L&R	4608						
		6	1	00	White 100%	4	4Hz~44kHz Sweep 0dB	L	4608						
		7	1	00	Black 0%	4	4Hz~44kHz Sweep 0dB	R	4608						
		8	1	00	Multi Burst 60% ※1	4	1kHz 0dB	L	4608						
		9	1	00	Multi Burst 100% ※1	4	1kHz 0dB	R	4608						
		10	1	00	Pulse & Bar	4	Level Sweep 1kHz ※2	L	4608						
		11	1	00	Ramp	4	Level Sweep 1kHz ※2	R	4608						
		12	1	00	Auto Test Matrix	4	997Hz -90dB	L&R	4608						
		13	1	00	Multi Pulse	4	997Hz -100dB	L&R	4608						
		14	1	00	Sweep 1	4	997Hz -110dB	L&R	4608						
		15	1	00	Sweep 2	4	997Hz -120dB	L&R	4608						
		16	1	00	Monoscope	4	997Hz -138dB	L&R	4608						
		17	1	00	Magenta 100%	4	Impulse ※3	L&R	4608						
4	1	1	1	00	Black	1.5	1kHz 0dB	L&R	384	1kHz 0dB	L&R	2304	1kHz 0dB	L&R	4608
		2	1	00	Black	1.5	Infinity 0	L&R	384	Infinity 0	L&R	2304	Infinity 0	L&R	4608
		3	1	00	Black	1.5	1kHz 0dB	L	384	1kHz 0dB	L	2304	1kHz 0dB	L	4608
		4	1	00	Black	1.5	1kHz 0dB	R	384	1kHz 0dB	R	2304	1kHz 0dB	R	4608
		5	1	00	Black	1.5	4Hz 0dB	L&R	384	4Hz 0dB	L&R	2304	4Hz 0dB	L&R	4608
		6	1	00	Black	1.5	17Hz 0dB	L&R	384	17Hz 0dB	L&R	2304	17Hz 0dB	L&R	4608
		7	1	00	Black	1.5	100Hz 0dB	L&R	384	100Hz 0dB	L&R	2304	127Hz 0dB	L&R	4608
		8	1	00	Black	1.5	127Hz 0dB	L&R	384	127Hz 0dB	L&R	2304	997Hz 0dB	L&R	4608
		9	1	00	Black	1.5	997Hz 0dB	L&R	384	997Hz 0dB	L&R	2304	1999Hz 0dB	L&R	4608
		10	1	00	Black	1.5	1999Hz 0dB	L&R	384	1999Hz 0dB	L&R	2304	4001Hz 0dB	L&R	4608
		11	1	00	Black	1.5	4001Hz 0dB	L&R	384	4001Hz 0dB	L&R	2304	6001Hz 0dB	L&R	4608
		12	1	00	Black	1.5	6001Hz 0dB	L&R	384	6001Hz 0dB	L&R	2304	10007Hz 0dB	L&R	4608
		13	1	00	Black	1.5	10007Hz 0dB	L&R	384	10007Hz 0dB	L&R	2304	19997Hz 0dB	L&R	4608
		14	1	00	Black	1.5	16001Hz 0dB	L&R	384	16001Hz 0dB	L&R	2304	29997Hz 0dB	L&R	4608
		15	1	00	Black	1.5	19997Hz 0dB	L&R	384	19997Hz 0dB	L&R	2304	31997Hz 0dB	L&R	4608
		16	1	00	Black	1.5	4Hz~20kHz Sweep -20dB	L&R	384	21997Hz 0dB	L&R	2304	43997Hz 0dB	L&R	4608

note) Chapter 17 of Title No.1 is located straddling Layer 0 and Layer 1.

※1 Burst Frequency MHz  
0.5/ 1.0/ 2.0/ 4.0/ 4.8/ 5.8

※2 Level Sweep 1kHz  
Level : LOG Sweep  
• Dolby Digital 2ch : from 0dB to -90.31dB  
• LPCM 48kHz 24bit 2ch : from 0dB to -138.47dB  
• LPCM 96kHz 24bit 2ch : from 0dB to -138.47dB

※3 Impulse  
Level : Straight polarity 1-sample full level impulse  
Cycle : 70-sample cycle

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.

ALMEDIO INC.  
Sales Headquarters  
<http://www.almedio.co.jp>  
E-Mail : [tm-sales@almedio.co.jp](mailto:tm-sales@almedio.co.jp)