



December 2005

Forms for DVD Format Verification of DVD-R Video (VR) Recorder

Form 1W to 39W Version 1.1

Notice:

- *These Forms will be revised on occasion for improvement or Version-up of the related Test Specification.*
- *The latest Forms shall be used to fill up the necessary information for application to Verification Lab, according to the related Test Specification.*
- *You can fill up the shaded space in every Form.*
- *"Adobe® Acrobat®" will be necessary for making your own files.*

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Exemption: None will be liable for any damages from use of this document.

Preliminary Information for DVD Format Verification

Application No. (Lab use) :

Application date (mm. dd, yyyy) :

Lab receipt date (mm. dd, yyyy) :

Lab name :

DVD-R Video (VR) Recorder described below is for DVD Format Verification of the First Production Model.

Product type:	TV System	Class	Adaptable recording speed		
			SL disc		DL disc
	<input type="checkbox"/> 525/60	<input type="checkbox"/> Class 0	<input type="checkbox"/> 1x only	<input type="checkbox"/> 8x max.	<input type="checkbox"/> 2x only
			<input type="checkbox"/> 4x max.	<input type="checkbox"/> 12x max.	<input type="checkbox"/> 4x max.
			<input type="checkbox"/> 6x max.	<input type="checkbox"/> 16x max.	

Product name	Model number	Note (Power supply etc.)
Remarks:		

DVD-R Video (VR) Recorder described above will be applied for DVD Format Verification by the following applicant.

Name of applicant	
Title of applicant	
Company & Factory name	
Factory address	
Phone number	
Fax number	
E-mail	

Applicant's Signature:

Test Information of DVD Format Verification

DVD Format Verification Lab record (Verification Lab use only)

- Name of Verification Lab : _____
- Name of inspector : _____
- Application date : _____
- Date of test completed : _____
- Verification number : _____

Information of applicant

- Applicant's name : _____
- Company name : _____
- Company address : _____
- Phone number : _____
- Fax number : _____

DVD-R Video (VR) Recorder details

- Brand/Trade name : _____
- Model number : _____
- Class : ☐ Class 0
- Supporting Disc(Read/Write) : ☐ DVD-RAM ☐ DVD-R for General ☐ DVD-R for DL ☐ DVD-RW
- Supporting Disc (Read) : ☐ DVD-RAM ☐ DVD-R for General ☐ DVD-R for DL ☐ DVD-RW
☐ DVD-ROM
- Supporting TV system : ☐ 525/60 TV ☐ 625/50 TV
- Recordable speed (SL disc*) : ☐ 1x ☐ 2x ☐ 4x ☐ 6x ☐ 8x ☐ 12x ☐ 16x
- Recordable speed (DL disc*) : ☐ 2x ☐ 4x
- Applicant already had the verification approval of DVD-R Video (VR) Recorder for SL disc* :
☐ Yes ☐ No

* Note: SL disc means DVD-R Disc for General, and DL disc means DVD-R Disc for Dual Layer.

Test results of 1x-speed Recording characteristics for SL disc

(Test Tools: GRBTD-001 and DVD-R measuring system (Playback))

Class-B Lab.*1	Items*2		Specification	Measurement		Judgment (Lab use)
				Applicant	Lab	
2.1.7 Operational signals						
	2.1.7.1 High Frequency (HF) signal					
O	Jitter	R = 25 mm	< 8.0 %			
		R = 40 mm				
		R = 55 mm				
	Modulation amplitude					
O	I ₁₄ /I _{14H}	R = 25 mm	0.60 min.			
		R = 40 mm				
		R = 55 mm				
O	I ₃ /I ₁₄	R = 25 mm	0.15 min.			
		R = 40 mm				
		R = 55 mm				
	(I _{14H} max. – I _{14H} min.)/I _{14H} max.					
O	Within one revolution (PUH with PBS)	R = 25 mm	0.15 max.			
		R = 40 mm				
		R = 55 mm				
O	Within one disc (PUH with PBS)		0.33 max.			
	Within one revolution (PUH without PBS)*3	R = 25 mm	0.10 max.			
		R = 40 mm				
		R = 55 mm				
	Within one disc (PUH without PBS)*3		0.20 max.			
O	Signal asymmetry	R = 25 mm	–0.05 to 0.15			
		R = 40 mm				
		R = 55 mm				
O	Track crossing signal	R = 25 mm	0.10 min.			
		R = 40 mm				
		R = 55 mm				

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for General Book Part 1: Ver. 2.1.

*3: Class-A Lab will check these values when required.

Class-B Lab.*1	Items*2		Specification	Measurement		Judgment (Lab use)
				Applicant	Lab	
	2.1.7.2 Servo signal					
	Differential phase tracking error signal					
O	Amplitude ($\overline{\Delta t}/T$ at 0.1 μm radial offset)	R = 25 mm	0.5 to 1.1			
		R = 40 mm				
		R = 55 mm				
O	Asymmetry	R = 25 mm	0.2 max.			
		R = 40 mm				
		R = 55 mm				
O	Tangential push-pull signal	R = 25 mm	0.9 max.			
		R = 40 mm				
		R = 55 mm				
	2.1.7.3 Wobble Signal					
O	Wobble Signal (RBW = 1 kHz)	R = 25 mm	> 31 dB			
		R = 40 mm				
		R = 55 mm				
	2.1.7.4 Defects					
O	PI errors in any consecutive 8 ECC blocks	R = 25 mm	≤ 280			
		R = 40 mm				
		R = 55 mm				

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for General Book Part 1: Ver. 2.1.

Test result of 1x-speed Linking characteristics for SL disc

(Test Tools: GRBTD-001 and DVD-R measuring system (Playback))

Items	OK	NG	Comment
Test result of Applicant	<input type="checkbox"/>	<input type="checkbox"/>	
Test result of Verification Lab	<input type="checkbox"/>	<input type="checkbox"/>	

Test results of 1x-speed Information data in Lead-in and RMA for SL disc

(Test Tools: GRBTD-001, and DVD-R measuring system (Playback) or Information Area Verifier)

3.4.1.2 R-Physical format information zone *1

Item	Applicant	Lab		Judgment
Physical format information (BP 0-3) (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

4.3.2.1 Table 4.3.2.1.1-1 Unique ID Field *1

Item		Applicant	Lab		Judgment
Drive manufacturer ID*2 (Hex or ASCII)	BP 0-15		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 16-31				
Serial Number*2 (ASCII)	BP 40-55		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Model Number*2 (ASCII)	BP 64-79		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Unique Disc ID*3 (Refer to Table 4.3.2.1-2)	BP 88-91 (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 92-105 (ASCII)				

4.3.2.2.1 RMD Field 0 *1

Item		Applicant	Lab		Judgment
RMD format (Hex)	BP 0-1		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Disc status (Hex)	BP 2		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Copy of Pre-pit Information (Hex)	BP 22-32		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 33-36				
	BP 55-60				

*1: Refer to DVD-R for General Book Part 1: Ver. 2.1.

*2: The test of these items can be substituted by checking the same items in RMD Field1.

*3: The test of this item can be substituted by checking the same item in RMD Field0.

4.3.2.2.2 RMD Field1 (check only #1 area) *1

Item		Applicant	Lab		Judgment
1 st field of Write Strategy code (Hex)	BP 64-67		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Recording Power (Hex)	BP 68-71		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Time Stamp (Hex)	BP 72-79		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Power calibration address (Hex)	BP 80-83		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Running OPC information (Hex)	BP 84-107		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
2 nd field of Write Strategy code (Hex)	BP 108-113		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
DSV (Hex)	BP 114-115		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

*1: Refer to DVD-R for General Book Part 1: Ver. 2.1.

Test result of Reading characteristics for SL disc

(Test Tool: VRSTD-R01)

Items	OK	NG	Comment
Test result of Applicant	<input type="checkbox"/>	<input type="checkbox"/>	
Test result of Verification Lab	<input type="checkbox"/>	<input type="checkbox"/>	

Test results of 4x-speed Recording characteristics for SL disc

(Test Tools: GRBTD-021 and DVD-R measuring system (Playback))

Class-B Lab.*1	Items*2		Specification	Measurement		Judgment (Lab use)
				Applicant	Lab	
2.1.7 Operational signals						
	2.1.7.1 High Frequency (HF) signal					
O	Jitter	R = 25 mm	< 8.0 %			
		R = 40 mm				
		R = 55 mm				
	Modulation amplitude					
O	I ₁₄ /I _{14H}	R = 25 mm	0.60 min.			
		R = 40 mm				
		R = 55 mm				
O	I ₃ /I ₁₄	R = 25 mm	0.15 min.			
		R = 40 mm				
		R = 55 mm				
	(I _{14H} max. – I _{14H} min.)/I _{14H} max.					
O	Within one revolution (PUH with PBS)	R = 25 mm	0.15 max.			
		R = 40 mm				
		R = 55 mm				
O	Within one disc (PUH with PBS)		0.33 max.			
	Within one revolution (PUH without PBS)*3	R = 25 mm	0.10 max.			
		R = 40 mm				
		R = 55 mm				
	Within one disc (PUH without PBS)*3		0.20 max.			
O	Signal asymmetry	R = 25 mm	–0.05 to 0.15			
		R = 40 mm				
		R = 55 mm				
O	Track crossing signal	R = 25 mm	0.10 min.			
		R = 40 mm				
		R = 55 mm				

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for General Book Part 1: Ver. 2.1.

*3: Class-A Lab will check these values when required.

Class-B Lab.*1	Items*2		Specification	Measurement		Judgment (Lab use)
				Applicant	Lab	
	2.1.7.2 Servo signal					
	Differential phase tracking error signal					
O	Amplitude ($\overline{\Delta t}/T$ at 0.1 μm radial offset)	R = 25 mm	0.5 to 1.1			
		R = 40 mm				
		R = 55 mm				
O	Asymmetry	R = 25 mm	0.2 max.			
		R = 40 mm				
		R = 55 mm				
O	Tangential push-pull signal	R = 25 mm	0.9 max.			
		R = 40 mm				
		R = 55 mm				
	2.1.7.3 Wobble Signal					
O	Wobble Signal (RBW = 1 kHz)	R = 25 mm	> 31 dB			
		R = 40 mm				
		R = 55 mm				
	2.1.7.4 Defects					
O	PI errors in any consecutive 8 ECC blocks	R = 25 mm	≤ 280			
		R = 40 mm				
		R = 55 mm				

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for General Book Part 1: Ver. 2.1.

The condition that the Recorder uses “4x-speed”;

Test result of 4x-speed Linking characteristics for SL disc

(Test Tools: GRBTD-021 and DVD-R measuring system (Playback))

Items	OK	NG	Comment
Test result of Applicant	<input type="checkbox"/>	<input type="checkbox"/>	
Test result of Verification Lab	<input type="checkbox"/>	<input type="checkbox"/>	

Note: This test shall be performed under the condition that the recorder uses 4x-speed, described in **Form 7W**.

Test results of 4x-speed Information data in Lead-in and RMA for SL disc

(Test Tools: GRBTD-021 and DVD-R measuring system (Playback) or Information Area Verifier)

3.4.1.2 R-Physical format information zone *1

Item*1	Applicant	Lab		Judgment
Physical format information (BP 0-3) (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

4.3.2.1 Table 4.3.2.1-1 Unique ID Field *1

Item		Applicant	Lab		Judgment
Drive manufacturer ID (Hex or ASCII) *2	BP 0-15		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 16-31				
Serial Number (ASCII) *2	BP 40-55		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Model Number (ASCII) *2	BP 64-79		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Unique Disc ID *3 (Refer to Table 4.3.2.1-2)	BP 88-91 (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 92-105 (ASCII)				

3.2.1 RMD Field 0 (refer to Optional Specification) *4

Item		Applicant	Lab		Judgment
RMD format (Hex)	BP 0-1		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Disc status (Hex)	BP 2		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Copy of Pre-pit Information (Hex)	BP 79-80		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 81-84				
	BP 87-92				
	BP 95-100				

*1: Refer to DVD-R for General Book Part 1: Ver. 2.1.

*2: The test of these items can be substituted by checking the same items in RMD Field1.

*3: The test of this item can be substituted by checking the same item in RMD Field0.

*4: Refer to Optional Specifications 4x-speed DVD-R Rev. 1.0.

3.2.2 RMD Field1 (check only #1 area) (refer to Optional Specifications) *1

Item		Applicant	Lab		Judgment
Time stamp for 4x-speed recording (Hex)	BP 576-583		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
1 st field of 4x-speed Write Strategy code (Hex)	BP 584-587		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
2 nd field of 4x-speed Write Strategy code (Hex)	BP 588-593		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
3 rd field of 4x-speed Write Strategy code (Hex)	BP 594-599		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Recording power for 4x-speed recording (Hex)	BP 600-603		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Power calibration address for 4x-speed recording (Hex)	BP 604-607		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Running OPO information for 4x-speed recording (Hex)	BP 608-631		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Strategy Type for 4x-speed recording (Hex)	BP 632		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

*1: Refer to Optional Specifications 4x-speed DVD-R Rev.1.0.

Test results of 6x-speed Recording characteristics for SL disc

(Test Tools: GRBTD-031 and DVD-R measuring system (Playback))

Class-B Lab. *1	Items *2		Specification	Measurement		Judgment (Lab use)
				Applicant	Lab	
2.1.7 Operational signals						
	2.1.7.1 High Frequency (HF) signal					
O	Jitter	R = 25 mm	< 8.0 %			
		R = 40 mm				
		R = 55 mm				
	Modulated amplitude					
O	I ₁₄ /I _{14H}	R = 25 mm	0.60 min.			
		R = 40 mm				
		R = 55 mm				
O	I ₃ /I ₁₄	R = 25 mm	0.15 min.			
		R = 40 mm				
		R = 55 mm				
	(I _{14Hmax.} – I _{14Hmin.})/I _{14Hmax.}					
O	Within one revolution (PUH with PBS)	R = 25 mm	0.15 max.			
		R = 40 mm				
		R = 55 mm				
O	Within one disc (PUH with PBS)		0.33 max.			
	Within one revolution (PUH without PBS)*3	R = 25 mm	0.10 max.			
		R = 40 mm				
		R = 55 mm				
	Within one disc (PUH without PBS) *3		0.20 max.			
O	Signal asymmetry	R = 25 mm	– 0.05 to 0.15			
		R = 40 mm				
		R = 55 mm				
O	Track crossing signal	R = 25 mm	0.10 min.			
		R = 40 mm				
		R = 55 mm				

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for General Book Part 1: Ver. 2.1.

*3: Class-A Lab will check these values when required.

Class-B Lab. *1	Items *2		Specification	Measurement		Judgment (Lab use)
				Applicant	Lab	
	2.1.7.2 Servo signal					
	Differential phase tracking error signal					
O	Amplitude ($\overline{\Delta t}/T$ at 0.1μm radial offset)	R = 25 mm	0.5 to 1.1			
		R = 40 mm				
		R = 55 mm				
O	Asymmetry	R = 25 mm	0.2 max.			
		R = 40 mm				
		R = 55 mm				
O	Tangential push-pull signal	R = 25 mm	0.9 max.			
		R = 40 mm				
		R = 55 mm				
	2.1.7.3 Wobble signal					
O	CNR of the Wobble signal (RBW=1kHz)	R = 25 mm	> 31dB			
		R = 40 mm				
		R = 55 mm				
	2.1.7.4 Defects					
O	PI errors in any consecutive 8 ECC blocks	R = 25 mm	≤ 280			
		R = 40 mm				
		R = 55 mm				

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for General Book Part 1: Ver. 2.1.

The condition that the Recorder uses “6x-speed”;

Test result of 6x-speed Linking characteristic for SL disc

(Test Tools: GRBTD-031 and DVD-R measuring system (Playback))

Items	OK	NG	Comment
Test result of Applicant	<input type="checkbox"/>	<input type="checkbox"/>	
Test result of Verification Lab	<input type="checkbox"/>	<input type="checkbox"/>	

Note: This test shall be performed under the condition that the Recorder uses 6x-speed, described in **Form 10W**.

Test results of 6x-speed Information data in Lead-in and RMA for SL disc

(Test Tools: GRBTD-031 and DVD-R measuring system (Playback) or Information Area Verifier)

3.4.1.2 R-Physical format information zone *1

Item	Applicant	Lab		Judgment
Physical format information (BP 0-3) (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

4.3.2.1 Table 4.3.2.1-1 Unique ID Field *1

Item		Applicant	Lab		Judgment
Drive manufacturer ID (Hex or ASCII) *2	BP 0-15		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 16-31				
Serial Number (ASCII) *2	BP 40-55		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Model Number (ASCII) *2	BP 64-79		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Unique Disc ID *3 (Refer to Table 4.3.2.1-2)	BP 88-91 (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 92-105 (ASCII)				

*1: Refer to DVD-R for General Book Part 1: Ver. 2.1.

*2: The test of these items can be substituted by checking the same items in RMD Field1.

*3: The test of this item can be substituted by checking the same item in RMD Field0.

4.2.1 RMD Field1 (check only #1 area) (refer to Optional Specifications) *1

Item		Applicant	Lab		Judgment
Time stamp for 6x-speed recording (Hex)	BP 1024-1031		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
1 st field of 6x-speed Write Strategy code (Hex)	BP 1032-1035		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
2 nd field of 6x-speed Write Strategy code (Hex)	BP 1036-1041		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
3 rd field of 6x-speed Write Strategy code (Hex)	BP 1042-1047		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Recording power for 6x-speed recording (Hex)	BP 1048-1051		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Power calibration address for 6x-speed recording (Hex)	BP 1052-1055		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Running OPC information for 6x-speed recording (Hex)	BP 1056-1079		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

*1: Refer to Optional Specifications 6x-speed DVD-R Rev. 2.0.

Test results of 8x-speed recording characteristics for SL disc

(Test Tools: GRBTD-031 and DVD-R measuring system (Playback))

Class-B Lab. *1	Items *2		Specification	Measurement		Judgment (Lab use)
				Applicant	Lab	
2.1.7 Operational signals						
	2.1.7.1 High Frequency (HF) signal					
O	Jitter	R = 40 mm	< 8.0 %			
		R = 55 mm				
	Modulated amplitude					
O	I ₁₄ /I _{14H}	R = 40 mm	0.60 min.			
		R = 55 mm				
O	I ₃ /I ₁₄	R = 40 mm	0.15 min.			
		R = 55 mm				
	(I _{14Hmax.} - I _{14Hmin.})/I _{14Hmax.}					
O	Within one revolution (PUH with PBS)	R = 40 mm	0.15 max.			
		R = 55 mm				
O	Within one disc (PUH with PBS)		0.33 max.			
	Within one revolution (PUH without PBS)*3	R = 40 mm	0.10 max.			
		R = 55 mm				
	Within one disc (PUH without PBS) *3		0.20 max.			
O	Signal asymmetry	R = 40 mm	- 0.05 to 0.15			
		R = 55 mm				
O	Track crossing signal	R = 40 mm	0.10 min.			
		R = 55 mm				

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for General Book Part 1: Ver. 2.1.

*3: Class-A Lab will check these values when required.

Class-B Lab. *1	Items *2		Specification	Measurement		Judgment (Lab use)
				Applicant	Lab	
	2.1.7.2 Servo signal					
	Differential phase tracking error signal					
O	Amplitude ($\overline{\Delta t}/T$ at 0.1μm radial offset)	R = 40 mm	0.5 to 1.1			
		R = 55 mm				
O	Asymmetry	R = 40 mm	0.2 max.			
		R = 55 mm				
O	Tangential push-pull signal	R = 40 mm	0.9 max.			
		R = 55 mm				
	2.1.7.3 Wobble signal					
O	CNR of the Wobble signal (RBW=1kHz)	R = 40 mm	> 31dB			
		R = 55 mm				
	2.1.7.4 Defects					
O	PI errors in any consecutive 8 ECC blocks	R = 40 mm	≤ 280			
		R = 55 mm				

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for General Book Part 1: Ver. 2.1.

The condition that the Recorder uses “8x-speed”;

Test result of 8x-speed linking characteristic for SL disc

(Test Tools: GRBTD-031 and DVD-R measuring system (Playback))

Items	OK	NG	Comment
Test result of Applicant	<input type="checkbox"/>	<input type="checkbox"/>	
Test result of Verification Lab	<input type="checkbox"/>	<input type="checkbox"/>	

Note: This test shall be performed under the condition that the recorder uses 8x-speed, described in **Form 13W**.

Test results of 8x-speed Information data in Lead-in and RMA for SL disc

(Test Tools: GRBTD-031 and DVD-R measuring system (Playback))

3.4.1.2 R-Physical format information zone *1

Item	Applicant	Lab		Judgment
Physical format information (BP 0-3) (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

4.3.2.1 Table 4.3.2.1-1 Unique ID Field *1

Item		Applicant	Lab		Judgment
Drive manufacturer ID (Hex or ASCII) *2	BP 0-15		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 16-31				
Serial Number (ASCII) *2	BP 40-55		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Model Number (ASCII) *2	BP 64-79		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Unique Disc ID *3 (Refer to Table 4.3.2.1-2)	BP 88-91 (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 92-105 (ASCII)				

*1: Refer to DVD-R for General Book Part 1: Ver. 2.1.

*2: The test of these items can be substituted by checking the same items in RMD Field1.

*3: The test of this item can be substituted by checking the same item in RMD Field0.

3.2.2 RMD Field1 (check only #1 area) (refer to Optional Specifications) *1

Item		Applicant	Lab		Judgment
Time stamp for 8x-speed recording (Hex)	BP 1088-1095		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
1 st field of 8x-speed Write Strategy code (Hex)	BP 1096-1099		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
2 nd field of 8x-speed Write Strategy code (Hex)	BP 1100-1105		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
3 rd field of 8x-speed Write Strategy code (Hex)	BP 1106-1111		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Recording power for 8x-speed recording (Hex)	BP 1112-1115		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Power calibration address for 8x-speed recording (Hex)	BP 1116-1119		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Running OPC information for 8x-speed recording (Hex)	BP 1120-1143		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

*1: Refer to Optional Specifications 8x-speed DVD-R Rev. 3.0.

Test results of 12x-speed Recording characteristics for SL disc

(Test Tools: GRBTD-041 and DVD-R measuring system (Playback))

Class-B Lab. *1	Items *2		Specification	Measurement		Judgment (Lab use)
				Applicant	Lab	
2.1.7 Operational signals						
	2.1.7.1 High Frequency (HF) signal					
O	Jitter	R = 40 mm	< 8.0 %			
		R = 55 mm				
	Modulated amplitude					
O	I ₁₄ /I _{14H}	R = 40 mm	0.60 min.			
		R = 55 mm				
O	I ₃ /I ₁₄	R = 40 mm	0.15 min.			
		R = 55 mm				
	(I _{14H} max. – I _{14H} min.)/I _{14H} max.					
O	Within one revolution (PUH with PBS)	R = 40 mm	0.15 max.			
		R = 55 mm				
O	Within one disc (PUH with PBS)		0.33 max.			
	Within one revolution (PUH without PBS)*3	R = 40 mm	0.10 max.			
		R = 55 mm				
	Within one disc (PUH without PBS) *3		0.20 max.			
O	Signal asymmetry	R = 40 mm	– 0.05 to 0.15			
		R = 55 mm				
O	Track crossing signal	R = 40 mm	0.10 min.			
		R = 55 mm				

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for General Book1 Part 1: Ver. 2.1.

*3: Class-A Lab will check these values when required.

Class-B Lab. *1	Items *2	Specification	Measurement		Judgment (Lab use)	
			Applicant	Lab		
	2.1.7.2 Servo signal					
	Differential phase tracking error signal					
○	Amplitude ($\overline{\Delta t}/T$ at 0.1μm radial offset)	R = 40 mm	0.5 to 1.1			
		R = 55 mm				
○	Asymmetry	R = 40 mm	0.2 max.			
		R = 55 mm				
○	Tangential push-pull signal	R = 40 mm	0.9 max.			
		R = 55 mm				
	2.1.7.3 Wobble signal					
○	CNR of the Wobble signal (RBW=1kHz)	R = 40 mm	> 31 dB			
		R = 55 mm				
	2.1.7.4 Defects					
○	PI errors in any consecutive 8 ECC blocks	R = 40 mm	≤ 280			
		R = 55 mm				

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for General Book Part 1: Ver. 2.1.

The condition that the Recorder uses “12x-speed”;

Test result of 12x-speed Linking characteristic for SL disc

(Test Tools: GRBTD-041 and DVD-R measuring system (Playback))

Items	OK	NG	Comment
Test result of Applicant	<input type="checkbox"/>	<input type="checkbox"/>	
Test result of Verification Lab	<input type="checkbox"/>	<input type="checkbox"/>	

Note: This test shall be performed under the condition that the Recorder uses 12x-speed, described in **Form 16W**.

Test results of 12x-speed Information data in Lead-in and RMA for SL disc

(Test Tools: GRBTD-041, and DVD-R measuring system (Playback) or Information Area Verifier)

3.4.1.2 R-Physical format information zone *1

Item	Applicant	Lab		Judgment
Physical format information (BP 0-3) (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

4.3.2.1 Table 4.3.2.1-1 Unique ID Field *1

Item		Applicant	Lab		Judgment
Drive manufacturer ID (Hex or ASCII) *2	BP 0-15		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 16-31				
Serial Number (ASCII) *2	BP 40-55		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Model Number (ASCII) *2	BP 64-79		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Unique Disc ID *3 (Refer to Table 4.3.2.1-2)	BP 88-91 (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 92-105 (ASCII)				

*1: Refer to DVD-R for General Book Part 1: Ver. 2.1.

*2: The test of these items can be substituted by checking the same items in RMD Field1.

*3: The test of this item can be substituted by checking the same item in RMD Field0.

4.2.1 RMD Field1 (check only #1 area) (refer to Optional Specifications) *1

Item		Applicant	Lab		Judgment
Time stamp for 12x-speed recording (Hex)	BP 1536-1543		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
1 st field of 12x-speed Write Strategy code (Hex)	BP 1544-1547		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
2 nd field of 12x-speed Write Strategy code (Hex)	BP 1548-1553		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
3 rd field of 12x-speed Write Strategy code (Hex)	BP 1554-1559		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Recording power for 12x-speed recording (Hex)	BP 1560-1563		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Power calibration address for 12x-speed recording (Hex)	BP 1564-1567		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Running OPC information for 12x-speed recording (Hex)	BP 1568-1591		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

*1: Refer to Optional Specifications 12x-speed DVD-R Rev. 5.0.

Test results of 16x-speed Recording characteristics for SL disc

(Test Tools: GRBTD-041 and DVD-R measuring system (Playback))

Class-B Lab. *1	Items *2		Specification	Measurement		Judgment (Lab use)
				Applicant	Lab	
2.1.7 Operational signals						
	2.1.7.1 High Frequency (HF) signal					
O	Jitter	R = 55 mm	< 8.0 %			
	Modulated amplitude					
O	I ₁₄ /I _{14H}	R = 55 mm	0.60 min.			
O	I ₃ /I ₁₄	R = 55 mm	0.15 min.			
	(I _{14Hmax.} - I _{14Hmin.})/I _{14Hmax.}					
O	Within one revolution (PUH with PBS)	R = 55 mm	0.15 max.			
O	Within one disc (PUH with PBS)		0.33 max.			
	Within one revolution (PUH without PBS)*3	R = 55 mm	0.10 max.			
	Within one disc (PUH without PBS) *3		0.20 max.			
O	Signal asymmetry	R = 55 mm	- 0.05 to 0.15			
O	Track crossing signal	R = 55 mm	0.10 min.			
	2.1.7.2 Servo signal					
	Differential phase tracking error signal					
O	Amplitude ($\Delta t/T$ at 0.1μm radial offset)	R = 55 mm	0.5 to 1.1			
O	Asymmetry	R = 55 mm	0.2 max.			
O	Tangential push-pull signal	R = 55 mm	0.9 max.			
	2.1.7.3 Wobble signal					
O	CNR of the Wobble signal (RBW=1kHz)	R = 55 mm	> 31 dB			
	2.1.7.4 Defects					
O	PI errors in any consecutive 8 ECC blocks	R = 55 mm	≤ 280			

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for General Book Part 1: Ver. 2.1.

*3: Class-A Lab will check these values when required.

The condition that the Recorder uses “16x-speed”;

Test result of 16x-speed Linking characteristic for SL disc

(Test Tools: GRBTD-041 and DVD-R measuring system (Playback))

Items	OK	NG	Comment
Test result of Applicant	<input type="checkbox"/>	<input type="checkbox"/>	
Test result of Verification Lab	<input type="checkbox"/>	<input type="checkbox"/>	

Note: This test shall be performed under the condition that the Recorder uses 16x-speed, described in **Form 19W**.

Test results of 16x-speed Information data in Lead-in and RMA for SL disc

(Test Tools: GRBTD-041 and DVD-R measuring system (Playback) or Information Area Verifier)

3.4.1.2 R-Physical format information zone *1

Item	Applicant	Lab		Judgment
Physical format information (BP 0-3) (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

4.3.2.1 Table 4.3.2.1-1 Unique ID Field *1

Item		Applicant	Lab		Judgment
Drive manufacturer ID (Hex or ASCII) *2	BP 0-15		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 16-31				
Serial Number (ASCII) *2	BP 40-55		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Model Number (ASCII) *2	BP 64-79		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Unique Disc ID *3 (Refer to Table 4.3.2.1-2)	BP 88-91 (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 92-105 (ASCII)				

*1: Refer to DVD-R for General Book Part 1: Ver. 2.1.

*2: The test of these items can be substituted by checking the same items in RMD Field1.

*3: The test of this item can be substituted by checking the same item in RMD Field0.

4.2.1 RMD Field1 (check only #1 area) (refer to Optional Specifications) *1

Item		Applicant	Lab		Judgment
Time stamp for 16x-speed recording (Hex)	BP 1600-1607		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
1 st field of 16x-speed Write Strategy code (Hex)	BP 1608-1611		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
2 nd field of 16x-speed Write Strategy code (Hex)	BP 1612-1617		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
3 rd field of 16x-speed Write Strategy code (Hex)	BP 1618-1623		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Recording power for 16x-speed recording (Hex)	BP 1624-1627		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Power calibration address for 16x-speed recording (Hex)	BP 1628-1631		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Running OPC information for 16x-speed recording (Hex)	BP 1632-1655		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

*1: Refer to Optional Specifications 16x-speed DVD-R Rev. 6.0.

Test results of 2x-speed Recording characteristics for DL disc

(Test Tools: GRBTD-001-DL and DVD-R measuring system (Playback))

Class-B Lab. *1	Items *2		Specification	Measurement		Judgment (Lab use)
				Applicant	Lab	
Layer 0						
2.1.7 Operational signals						
	2.1.7.1 High Frequency (HF) signal					
O	Jitter	R = 25 mm	< 8.0 %			
		R = 40 mm				
		R = 55 mm				
	Modulated amplitude					
O	I ₁₄ /I _{14H}	R = 25 mm	0.60 min.			
		R = 40 mm				
		R = 55 mm				
O	I ₃ /I ₁₄	R = 25 mm	0.20 min.			
		R = 40 mm				
		R = 55 mm				
	(I _{14H} max. − I _{14H} min.)/I _{14H} max.					
O	Within one revolution (PUH with PBS)	R = 25 mm	0.15 max.			
		R = 40 mm				
		R = 55 mm				
O	Within one disc (PUH with PBS)		0.33 max.			
	Within one revolution (PUH without PBS)*3	R = 25 mm	0.10 max.			
		R = 40 mm				
		R = 55 mm				
	Within one disc (PUH without PBS) *3		0.20 max.			
O	Signal asymmetry	R = 25 mm	−0.05 to 0.15			
		R = 40 mm				
		R = 55 mm				
O	Track crossing signal	R = 25 mm	0.10 min.			
		R = 40 mm				
		R = 55 mm				

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for DL Book Ver. 3.0.

*3: Class-A Lab will check these values when required.

Class-B Lab. *1	Items *2	Specification	Measurement		Judgment (Lab use)
			Applicant	Lab	
Layer 0					
	2.1.7.2 Servo signal				
	Differential phase tracking error signal				
O	Amplitude ($\overline{\Delta t}/T$ at 0.1μm radial offset)	R = 25 mm	0.5 to 1.1		
		R = 40 mm			
		R = 55 mm			
O	Asymmetry	R = 25 mm	0.2 max.		
		R = 40 mm			
		R = 55 mm			
O	Tangential push-pull signal	R = 25 mm	0.9 max.		
		R = 40 mm			
		R = 55 mm			
	2.1.7.3 Wobble signal				
O	CNR of the Wobble signal (RBW=1kHz)	R = 25 mm	> 31 dB		
		R = 40 mm			
		R = 55 mm			
	2.1.7.4 Defects				
O	PI errors in any consecutive 8 ECC blocks	R = 25 mm	≤ 280		
		R = 40 mm			
		R = 55 mm			

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for DL Book Ver. 3.0.

The condition that the Recorder uses “2x-speed” (in case of the Recorder for DL (4x max));

Class-B Lab. *1	Items *2		Specification	Measurement		Judgment (Lab use)
				Applicant	Lab	
Layer 1						
2.1.7 Operational signals						
	2.1.7.1 High Frequency (HF) signal					
O	Jitter	R = 25 mm	< 8.0 %			
		R = 40 mm			*4	
		R = 55 mm			*4	
	Modulated amplitude					
O	I ₁₄ /I _{14H}	R = 25 mm	0.60 min.			
		R = 40 mm			*4	
		R = 55 mm			*4	
O	I ₃ /I ₁₄	R = 25 mm	0.20 min.			
		R = 40 mm			*4	
		R = 55 mm			*4	
	(I _{14H} max. – I _{14H} min.)/I _{14H} max.					
O	Within one revolution (PUH with PBS)	R = 25 mm	0.15 max.			
		R = 40 mm			*4	
		R = 55 mm			*4	
O	Within one disc (PUH with PBS)		0.33 max.		*4	
	Within one revolution (PUH without PBS)*3	R = 25 mm	0.10 max.			
		R = 40 mm			*4	
		R = 55 mm			*4	
	Within one disc (PUH without PBS) *3		0.20 max.		*4	
O	Signal asymmetry	R = 25 mm	–0.05 to 0.15			
		R = 40 mm			*4	
		R = 55 mm			*4	
O	Track crossing signal	R = 25 mm	0.10 min.			
		R = 40 mm			*4	
		R = 55 mm			*4	

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for DL Book Ver. 3.0.

*3: Class-A Lab will check these values when required.

*4: In case of the Recorder for DL (4x max), Licensee submits these data and Class-A Lab checks the data.
Class-A Lab will not measure these parameters in general.

Class-B Lab. *1	Items *2	Specification	Measurement		Judgment (Lab use)
			Applicant	Lab	
Layer 1					
	2.1.7.2 Servo signal				
	Differential phase tracking error signal				
○	Amplitude ($\overline{\Delta t}/T$ at 0.1μm radial offset)	R = 25 mm	0.5 to 1.1		
		R = 40 mm		*3	
		R = 55 mm		*3	
○	Asymmetry	R = 25 mm	0.2 max.		
		R = 40 mm		*3	
		R = 55 mm		*3	
○	Tangential push-pull signal	R = 25 mm	0.9 max.		
		R = 40 mm		*3	
		R = 55 mm		*3	
	2.1.7.3 Wobble signal				
○	CNR of the Wobble signal (RBW=1kHz)	R = 25 mm	> 31 dB		
		R = 40 mm		*3	
		R = 55 mm		*3	
	2.1.7.4 Defects				
○	PI errors in any consecutive 8 ECC blocks	R = 25 mm	≤ 280		
		R = 40 mm		*3	
		R = 55 mm		*3	

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for DL Book Ver. 3.0.

*3: In case of the Recorder for DL (4x max), Licensee submits these data and Class-A Lab checks the data.
Class-A Lab will not measure these parameters in general.

The condition that the Recorder uses “2x-speed” (in case of the Recorder for DL (4x max));

Test result of 2x-speed Linking characteristic for DL disc

(Test Tools: GRBTD-001-DL and DVD-R measuring system (Playback))

Items	OK	NG	Comment
Test result of Applicant	<input type="checkbox"/>	<input type="checkbox"/>	
Test result of Verification Lab	<input type="checkbox"/>	<input type="checkbox"/>	

Note: This test is only for the Recorder for DL (2x only). The Recorder for DL (4x max) need not execute this test.

Test results of 2x-speed Information data in Lead-in and RMA for DL disc

(Test Tools: GRBTD-001-DL and DVD-R measuring system (Playback))

3.4.1.2 R-Physical format information zone *1

Item	Applicant	Lab		Judgment
Physical format information (BP 0-3) (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

4.3.2.1.1 Table 4.3.2.1.1-1 Unique ID Field *1

Item		Applicant	Lab		Judgment
Drive manufacturer ID (Hex or ASCII) *2	BP 0-15		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 16-31				
Serial Number (ASCII) *2	BP 40-55		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Model Number (ASCII) *2	BP 64-79		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Unique Disc ID *3 (Refer to Table 4.3.2.1-2)	BP 88-91 (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 92-105 (ASCII)				

4.3.2.2.1.1 Format1 RMD Field0 or 4.3.2.2.2.1 Format4 RMD Field0 *1

Item		Applicant	Lab		Judgment
RMD Format (Hex)	BP 0-1		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Disc status (Hex)	BP 2		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Copy of Pre-pit Information (Hex)	BP 22-32		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 33-35				

*1: Refer to DVD-R for DL Book Part 1: Ver. 3.0

*2: The test of these items can be substituted by checking the same items in RMD Field1.

*3: The test of this item can be substituted by checking the same item in RMD Field0.

4.3.2.2.1.2 Format1 RMD Field1 or 4.3.2.2.2.2 Format4 RMD Field1 (check only #1 area) *1

Item		Applicant	Lab		Judgment
2x –speed Write Strategy code for Layer 0(Hex)	BP 64-79		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Recording power (Hex)	BP 80-83		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Time Stamp (Hex)	BP 84-91		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Power calibration address (Hex)	BP 92-95		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Running OPC information (Hex)	BP 96-107		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
2x-speed Write Strategy code for Layer 1 (Hex)	BP 108-123		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
DSV (Hex)	BP 124-125		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

*1: Refer to DVD-R for DL Book Part 1: Ver. 3.0.

Test result of Reading characteristics for DL disc

(Test Tool: GRSTD-001-DL)

Items	OK	NG	Comment
Test result of Applicant	<input type="checkbox"/>	<input type="checkbox"/>	
Test result of Verification Lab	<input type="checkbox"/>	<input type="checkbox"/>	

Test results of 4x-speed Recording characteristics for DL disc

(Test Tools: GRBTD-001-DL and DVD-R measuring system (Playback))

Class-B Lab. *1	Items *2		Specification	Measurement		Judgment (Lab use)
				Applicant	Lab	
Layer 0						
2.1.7 Operational signals						
	2.1.7.1 High Frequency (HF) signal					
O	Jitter	R = 25 mm	< 8.0 %			
		R = 40 mm			*4	
		R = 55 mm			*4	
	Modulated amplitude					
O	I ₁₄ /I _{14H}	R = 25 mm	0.60 min.			
		R = 40 mm			*4	
		R = 55 mm			*4	
O	I ₃ /I ₁₄	R = 25 mm	0.20 min.			
		R = 40 mm			*4	
		R = 55 mm			*4	
	(I _{14H} max. – I _{14H} min.)/I _{14H} max.					
O	Within one revolution (PUH with PBS)	R = 25 mm	0.15 max.			
		R = 40 mm			*4	
		R = 55 mm			*4	
O	Within one disc (PUH with PBS)		0.33 max.		*4	
	Within one revolution (PUH without PBS)*3	R = 25 mm	0.10 max.			
		R = 40 mm			*4	
		R = 55 mm			*4	
	Within one disc (PUH without PBS) *3		0.20 max.		*4	
O	Signal asymmetry	R = 25 mm	–0.05 to 0.15			
		R = 40 mm			*4	
		R = 55 mm			*4	
O	Track crossing signal	R = 25 mm	0.10 min.			
		R = 40 mm			*4	
		R = 55 mm			*4	

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for DL Book Part 1: Ver. 3.0.

*3: Class-A Lab will check these values when required.

*4: Licensee submits these data and Class-A Lab checks the data. Class-A Lab will not measure these parameters in general.

Class-B Lab. *1	Items *2	Specification	Measurement		Judgment (Lab use)
			Applicant	Lab	
Layer 0					
	2.1.7.2 Servo signal				
	Differential phase tracking error signal				
O	Amplitude ($\overline{\Delta t}/T$ at 0.1μm radial offset)	R = 25 mm	0.5 to 1.1		
		R = 40 mm		*3	
		R = 55 mm		*3	
O	Asymmetry	R = 25 mm	0.2 max.		
		R = 40 mm		*3	
		R = 55 mm		*3	
O	Tangential push-pull signal	R = 25 mm	0.9 max.		
		R = 40 mm		*3	
		R = 55 mm		*3	
	2.1.7.3 Wobble signal				
O	CNR of the Wobble signal (RBW=1kHz)	R = 25 mm	> 31 dB		
		R = 40 mm		*3	
		R = 55 mm		*3	
	2.1.7.4 Defects				
O	PI errors in any consecutive 8 ECC blocks	R = 25 mm	≤ 280		
		R = 40 mm		*3	
		R = 55 mm		*3	

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for DL Book Part 1: Ver. 3.0.

*3: Licensee submits these data and Class-A Lab checks the data. Class-A Lab will not measure these parameters in general.

The condition that the Recorder uses “4x-speed”;

Class-B Lab. *1	Items *2		Specification	Measurement		Judgment (Lab use)
				Applicant	Lab	
Layer 1						
2.1.7 Operational signals						
	2.1.7.1 High Frequency (HF) signal					
O	Jitter	R = 25 mm R = 40 mm R = 55 mm	< 8.0 %			
	Modulated amplitude					
O	I ₁₄ /I _{14H}	R = 25 mm R = 40 mm R = 55 mm	0.60 min.			
O	I ₃ /I ₁₄	R = 25 mm R = 40 mm R = 55 mm	0.20 min.			
	(I _{14H} max. – I _{14H} min.)/I _{14H} max.					
O	Within one revolution (PUH with PBS)	R = 25 mm R = 40 mm R = 55 mm	0.15 max.			
O	Within one disc (PUH with PBS)		0.33 max.			
	Within one revolution (PUH without PBS)*3	R = 25 mm R = 40 mm R = 55 mm	0.10 max.			
	Within one disc (PUH without PBS) *3		0.20 max.			
O	Signal asymmetry	R = 25 mm R = 40 mm R = 55 mm	–0.05 to 0.15			
O	Track crossing signal	R = 25 mm R = 40 mm R = 55 mm	0.10 min.			

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for DL Book Ver.3.0.

*3: Class-A Lab will check these values when required.

Class-B Lab. *1	Items *2	Specification	Measurement		Judgment (Lab use)
			Applicant	Lab	
Layer 1					
	2.1.7.2 Servo signal				
	Differential phase tracking error signal				
O	Amplitude ($\overline{\Delta t}/T$ at 0.1μm radial offset)	R = 25 mm	0.5 to 1.1		
		R = 40 mm			
		R = 55 mm			
O	Asymmetry	R = 25 mm	0.2 max.		
		R = 40 mm			
		R = 55 mm			
O	Tangential push-pull signal	R = 25 mm	0.9 max.		
		R = 40 mm			
		R = 55 mm			
	2.1.7.3 Wobble signal				
O	CNR of the Wobble signal (RBW=1kHz)	R = 25 mm	> 31 dB		
		R = 40 mm			
		R = 55 mm			
	2.1.7.4 Defects				
O	PI errors in any consecutive 8 ECC blocks	R = 25 mm	≤ 280		
		R = 40 mm			
		R = 55 mm			

*1: The measurement items at Class-B Lab are marked with O.

*2: Refer to DVD-R for DL Book Ver. 3.0.

The condition that the Recorder uses “4x-speed”;

Test result of 4x-speed Linking characteristic for DL disc

(Test Tools: GRBTD-001-DL and DVD-R measuring system (Playback))

Items	OK	NG	Comment
Test result of Applicant	<input type="checkbox"/>	<input type="checkbox"/>	
Test result of Verification Lab	<input type="checkbox"/>	<input type="checkbox"/>	

Note: This test shall be performed under the condition that the Recorder uses 4x-speed, described in **Form 26W**.

Test results of 4x-speed Information data in Lead-in and RMA for DL disc

(Test Tools: GRBTD-001-DL and DVD-R measuring system (Playback))

3.4.1.2 R-Physical format information zone *1

Item	Applicant	Lab		Judgment
Physical format information (BP 0-3) (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

4.3.2.1.1 Table 4.3.2.1.1-1 Unique ID Field *1

Item		Applicant	Lab		Judgment
Drive manufacturer ID (Hex or ASCII) *2	BP 0-15		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 16-31				
Serial Number (ASCII) *2	BP 40-55		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Model Number (ASCII) *2	BP 64-79		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Unique Disc ID *3 (Refer to Table 4.3.2.1-2)	BP 88-91 (Hex)		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 92-105 (ASCII)				

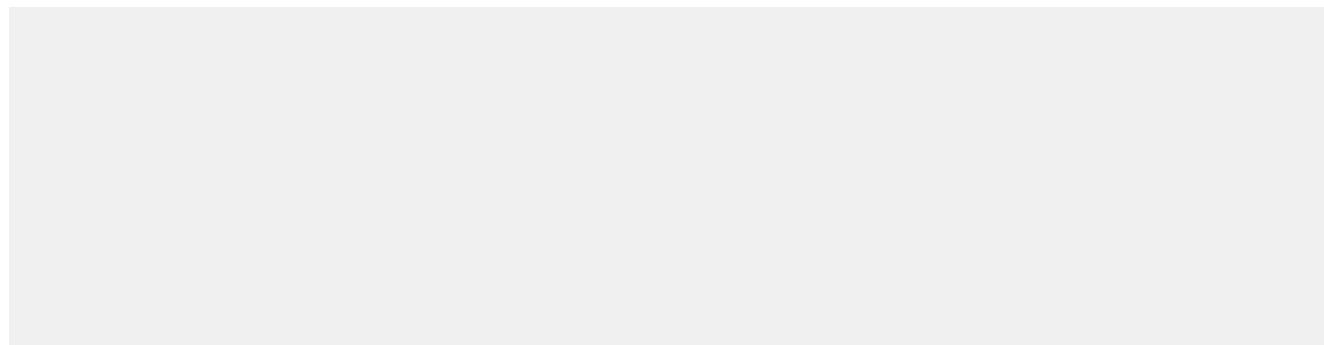
4.3.2.2.1.1 Format1 RMD Field0 or 4.3.2.2.2.1 Format4 RMD Field0 *1

Item		Applicant	Lab		Judgment
RMD Format (Hex)	BP 0-1		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Disc status (Hex)	BP 2		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Copy of Pre-pit Information (Hex)	BP 22-32		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
	BP 33-36				

*1: Refer to DVD-R for DL Book Part 1: Ver. 3.0

*2: The test of these items can be substituted by checking the same items in RMD Field1.

*3: The test of this item can be substituted by checking the same item in RMD Field0.



4.1.2 Format1 RMD Field1 or Format4 RMD Field1 (check only #1 area) *1

Item		Applicant	Lab		Judgment
4x-speed Write Strategy code for Layer 0 (Hex)	BP 512-527		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
4x-speed Write Strategy code for Layer 1 (Hex)	BP 528-543		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Recording Power for 4x-speed recording	BP 544-547		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Time stamp for 4x-speed recording	BP 548-555		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Power calibration address for 4x-speed recording	BP 556-559		<input type="checkbox"/> OK	<input type="checkbox"/> NG	
Running OPC information (Hex)	BP 560-571		<input type="checkbox"/> OK	<input type="checkbox"/> NG	

*1: Refer to Optional Specifications 4x-speed DVD-R for DL Rev. 1.0.

Test results of Stream Test for 525/60 TV system

(Test Tools: VRSTD-R01)

No.	Test Category	Check item	Title Play		Expected result / Check point	Note	Applicant		Lab	
			Program	Play list			OK	NG	OK	NG
1	VOB at middle rate	Played back	1	—	Video and Audio are played back properly.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	VOB at high rate		2	—			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	VOB at low rate		3	—			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Dolby AC-3 Audio	6ch 448 kbps	—	1	Sound in the correct channels and in the right phase.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		1ch 128 kbps	—	2			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6		2ch 256 kbps	—	3			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7		Dual mono 256 kbps	—	4			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	MPEG 1 Audio	1ch 64 kbps	—	6			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9		2ch 128 kbps	—	7			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10		Dual mono 128 kbps	—	8			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	LPCM Audio	1ch	—	9			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12		2ch	—	10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13		Dual mono	—	11			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	Audio channel change	Dolby AC-3 256 kbps	—	17	Audio channel is changing at every 30 second properly.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15		MPEG 1 Audio 128 kbps	—	18			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	Video	Resolution 704 × 480	—	20	Video and Audio are played back in accordance with the Aspect ratio 4:3 properly.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17		Resolution 544 × 480	—	21			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18		Resolution 480 × 480	—	22			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19		Resolution 352 × 480	—	23			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No.	Test Category	Check item	Title Play		Expected result /Check point	Note	Applicant		Lab	
			Program	Play list			OK	NG	OK	NG
1	Video	Aspect ratio 16:9 Resolution 720 × 480	—	24	Video and Audio are played back in accordance with the Aspect ratio 16:9 properly.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2		MPEG 1	11	—	Video and Audio are played back properly.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3		Aspect ratio changing	12	—	Aspect ratio changes properly.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4		2-3 pull down	13	—	Video and Audio are played back properly.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		Variable GOP	15	—			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6		Closed GOP	16	—			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7		Closed Caption	17	—			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Sub-picture	Sub-picture	18	—	Sub-pictures are presented properly.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	RDI	No RDI stream	19	—	Video and Audio are played back properly.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	Still VOB	Played back	—	38	Still pictures are played back with no sound.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11		Original Audio Part	—	39	Each Still picture is played back with 1 kHz signal for 5 seconds.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12		Additional Audio Part	—	40			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13		Original and Additional Audio Part	—	41	Original Audio is music and Additional Audio is 1kHz signal. 1kHz signal is played back properly		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	Audio Status in Movie VOB	Audio Status A0:Original A1:Original	—	32	Each channel is presented correctly.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15		Audio Status A0: Original A1: Modified	—	33			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16		Audio Status A0: Original A1: Dummy	—	34	A0 channel is presented correctly. A1 channel shall not be presented.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17		Audio Status A0: Original A1: After-recorded	—	35	Each channel is presented correctly.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18		Audio Status A0: Modified A1: Original	—	36			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19		Audio Status A0: Modified A1: Modified	—	37			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Test results of User Operation for 525/60 TV system

(Test Tool: VRSTD-R01)

No.	Test Category	Check item	Title Play		Expected result /Check point	Note	Applicant		Lab	
			Program	Play list			OK	NG	OK	NG
1	User Operation (Mandatory Function)	PG_Set_Play	Not specified	Not specified	Presented all scenes in a Disc.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2		PG_Play	Any	—	Presented various scenes.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3		PG_Play with seamless	32	—	210-sec movie is played in actual speed without any skipping or stopping		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4		PL_Play	—	Any	Presented various scenes.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		Forward and Backward skip	24	—	Skip to the designated point.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6		Still_Off	21	—	When the button allocated the Still_Off function is pushed while the still picture “4” is played back, “4” is stopped at once and “6” is played back.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7		Audio_Select	—	32	Switches to the next available Audio stream.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8		Sub-picture On	18	—	Enables the presentation of Sub-picture.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9		Sub-picture Off			Disables the presentation of Sub-picture.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	User Operation (Optional Function)	PG_Time_Play	24	—	Jump to designated time by the player which has capability. For example, input 00:00:15.00, the similar scene of the Entry point 2 is played back.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11		PL_Time_Play	—	19	Jump to designated time by the player which has capability. For example, input 00:00:10.00, the similar scene of the Entry point 2 is played back.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12		Forward_Scan	Any	Any	Scan at the designated speed by the player which has capability.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13		Backward_Scan					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14		PG_EP_Play	24	—	Jump to the designated Entry point by the player which has capability.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15		PL_EP_Play	—	19			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16		Resume	Defined by Resume Marker	Defined by Resume Marker	Start the playback from the position specified by Resume Marker information, by the player which has capability.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17		Pause_On	Any	Any	Pauses the presentation by the player which has capability.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18		Pause_Off			Releases the pause initiated by Pause_On, by the player which has capability.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note: User Operations (Optional Functions) are described as option in DVD Specifications for DVD-RAM/DVD-RW/DVD-R for General Discs Part 3: VIDEO RECORDING Version 1.2.

Test results of System Function for 525/60 TV system

(Test Tool: VRSTD-R01)

No.	Test Category	Check item	Title Play		Expected result /Check point	Note	Applicant		Lab	
			Program	Play list			OK	NG	OK	NG
1	Program	Including temporally erased M_VOB	26	—	Movies are presented Except for temporary erased scene.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2		Including temporally erased S_VOB	21	—	Still pictures are presented Except for temporary erased scene.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3		Cell presentation Variation	27	—	A designated scene is played back.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	System (Option)	Resume Marker	—	—	Understood correctly by the player supporting this field.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		Disc representative Picture	—	—			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6		Disc representative name	—	—			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7		Representative Picture Information	—	—			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8		TX'TDT	Any	Any	Understood correctly by the player.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9		Manufacturer Information	—	—			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note: System (Option) is described as option in DVD Specifications for DVD-RAM/DVD-RW/DVD-R for General Discs Part 3: VIDEO RECORDING Version 1.2

Test result of Jump Performance for 525/60 TV system

(Test Tool: VRSTD-R01)

Test Category	Check item	Title Play		Expected result /Check point	Note	Applicant		Lab	
		Program	Play list			OK	NG	OK	NG
	Jump performance	29	—	Each Cell in this Program is played back seamlessly.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Test results of Maximum Data Size for 525/60 TV system

(Test Tool: VRMTD-R01)

No.	Test Category	Check item	Title Play		Expected result / Check point	Note	Applicant		Lab	
			Program	Play list			OK	NG	OK	NG
1	Max Data Size	Maximum Program Number	99	—	Program #99 is played back properly.	This Test is equivalent to the test for the maximum Original Movie Cell number. This Test is equivalent to the maximum M_VOB number test.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2		Maximum Play list Number	—	99	Play list #99 is played back properly.	This test is equivalent to the test for the maximum User Defined Movie Cell number.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3		Maximum Still Cell number for Original PGC	98	—	Program #98 is presented properly.	This Test is equivalent to the test for the maximum Original Still Cell number. This Test is equivalent to the maximum S_VOG and S_AAG number test.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4		Maximum Still Cell for User Defined PGCs	—	98	Play list #98 is presented properly.	This test is equivalent to the test for the maximum User Defined Still Cell number.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		Maximum Still Picture number in the S_VOG	96	—	64 Still Pictures with Additional Audio are presented properly.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6		Maximum Movie VOB Stream Information number	95	—	Video and Audio are played back properly.	The VOB is referring to M_VOB_STI #64.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7		Maximum Still VOB Stream Information Number	94	—		The VOG is referring to S_VOB_STI #64.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

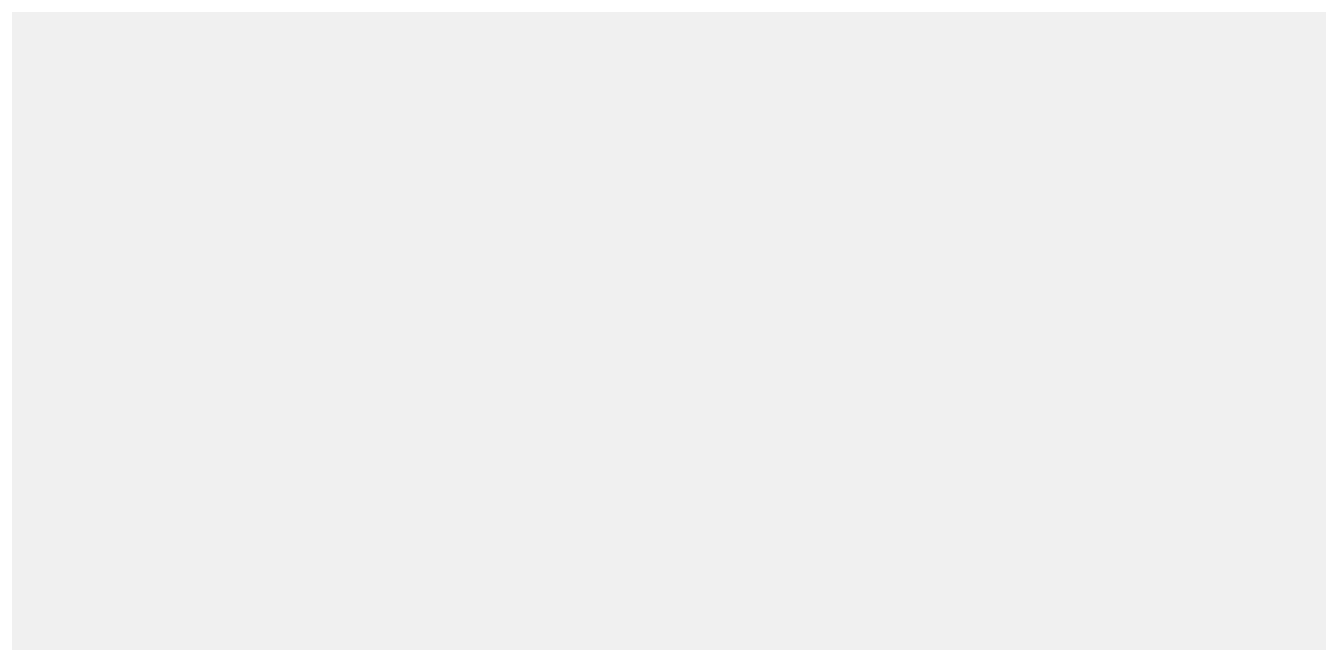
Test results of Recording for 525/60 TV system for SL disc

(Test Tool: GRBTD-001 or equivalent, and DVD Video Recording Verifier)

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
R1	Record <i>an Original Movie Title</i> for the first time.		One Movie VOB and one Cell are created. VR_MOVIE.VRO is created.	Two or more VOBs and Cells may be created.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R2	Record <i>an Original Movie Title</i> for the second or more time.		One Movie VOB and one Program are added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R3	Record <i>an Original Still Title</i> for the first time.		One Still VOB and one Cell are created. VR_STILL.VRO is created.	Two or more VOBs and Cells may be created.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R4	Record <i>an Original Still Title</i> for the second or more time.		One Still VOB and one Program are added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R5	Record an additional audio for <i>an Original Still Title</i> for the first time.		One Still AA is created. VR_AUDIO.VRO is created.	Two or more AAs and AAGs may be created.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R6	Record an additional audio for <i>an Original Still Title</i> for the second or more time.		One Still AAG is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R7	Add <i>Entry Points</i> during recording. Ex. with pause key		An entry point is added every time recording is paused.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R8	Record two types of aspect ratio		Aspect ratio is described in M_VOB_STI and/or RDI.	Input 16:9 and 4:3 source.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
R9	Record broadcasts which include two language		Number of audio channels is described as 2ch (dual mono).		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R10	Change recording quality and record an <i>Original Movie Title</i>		A M_VOB_STI is added.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R11					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R12					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R13					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R14					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R15					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R16					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R17					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
R18					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R19					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R20					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R21					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R22					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R23					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R24					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Test results of Editing for 525/60 TV system for SL disc

(Test Tool: GRBTD-001 or equivalent, and DVD Video Recording Verifier)

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
E1	Make a <i>Play list Movie Title</i> for the first time.		One play list and one UD_PGCI which consists of Movie Cells are created.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E2	Make a <i>Play list Movie Title</i> for the second or more time.		One play list and one UD_PGCI which consists of Movie Cells are added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E3	Make a <i>Play list Still Title</i> (for the first time).		One play list and one UD_PGCI which consists of Still Cells are added/created.	If E1 was done, the play list is added. Else, play list and UD_PGCI is created.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E4	Make a <i>Play list Still Title</i> for the second or more time.		One play list and one UD_PGCI which consists of Still Cells are added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E5	Make a <i>Play list Hybrid Title</i> .		One play list and one UD_PGCI which consists of both Movie and Still Cells are added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E6	Make an <i>Entry Point</i> in an <i>Original Movie Title</i> .		One Entry Point in a Movie Title is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E7	Make a <i>Book Mark</i> in an <i>Original Movie Title</i> .		One Book Mark in a Movie Title is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E8	Make an <i>Entry Point</i> in a <i>Play list Movie Title</i> .		One Entry Point in a Play list is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E9	Make a <i>Book Mark</i> in a <i>Play list Movie Title</i> .		One Book Mark in a Play list is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E10	Make an <i>Entry Point</i> in an <i>Original Still Title</i> .		One Entry Point in a Still Title is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E11	Make a <i>Book Mark</i> in an <i>Original Still Title</i> .		One Book Mark in a Still Title is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
E12	Make an Entry Point in a Play list Still Title.		One Entry Point in a Play list is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E13	Make a Book Mark in a Play list Still Title.		One Book Mark in a Play list is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E14	Erase an Original Title Temporarily.		All Cells in the Program are referring to temporal erased VOBs.	This test may be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E15	Erase an Original Title permanently.		A Program is erased.	This test may be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E16	Delete a Play list Title.		A play list and corresponding UD_PGCI are deleted.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E17	Erase a portion of an Original Movie Title Temporarily.		A portion of a Movie VOB is divided and erased temporarily.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E18	Erase a portion of an Original Movie Title permanently.		A portion of a Movie VOB is divided and erased permanently.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E19	Protect an Original Title.		Made a Protected Program.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E20	Edit Disc representative name.		New Disc representative name is inputted.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E21	Edit Disc representative picture.		New Disc representative picture is inputted.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E22	Edit a Play list Title Name		New Primary Text in the Play list is inputted.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
E23	Edit an <i>Original Title</i> Name.		New Primary Text in the Program is inputted.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E24	Edit a <i>Book Mark</i> Name.		New Primary Text is inputted.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E25	Erase a chapter in an <i>Original Movie Title</i>		A selected chapter is erased.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E26	Change thumbnail on an <i>Original Movie Title</i>		Thumbnail and REP_PICTI is changed.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E27	Unprotect an <i>Original Movie Title</i>		Protected program is canceled.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E28	Split a <i>Play list Title</i>		A Play list is divided into two Play list titles.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E29	Move a <i>Play list Title</i>		Presentation order of Play lists are changed.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E30	Combine two <i>Play list Titles</i>		Two Play lists are combined.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E31	Erase a portion of a <i>Play list Title</i>		A portion of a Play list is divided and erased.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E32	Change thumbnail on a <i>Play list Title</i>		Thumbnail and REP_PICTI is changed.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E33	Erase a chapter in a <i>Play list Title</i>		A selected chapter is erased.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
E34	Move chapters in a <i>Play list Title</i>		A chapter is moved to other position in the Play list.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E35	Combine chapters in an <i>Original Movie Title</i>		An Entry Point is erased.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E36	Combine chapters in a <i>Play list Title</i>		An Entry Point is erased.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E37	Protect disc		Made a Protected disc.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E38	Unprotect disc		Protected disc is canceled.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E39	Delete All <i>Play list Titles</i> .		No Play list and No UD_PGCIT.	Caution These items shall be done after testing of all operations regarding editing including the items that applicant nominated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E40	Erase All <i>Original Titles</i> temporarily.		All Titles refer to temporal erased VOB.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E41	Erase All <i>Original Titles</i> permanently.		All Titles are deleted.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E42					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E43					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
E44					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E45					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E46					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E47					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E48					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E49					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E50					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E51					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E52					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Test results of Recording for 525/60 TV system for DL disc

(Test Tool: GRBTD-001-DL or equivalent, and DVD Video Recording Verifier)

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
R1	Record <i>an Original Movie Title</i> for the first time.		One Movie VOB and one Cell are created. VR_MOVIE.VRO is created.	Two or more VOBs and Cells may be created.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R2	Record <i>an Original Movie Title</i> for the second or more time.		One Movie VOB and one Program are added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R3	Record <i>an Original Still Title</i> for the first time.		One Still VOB and one Cell are created. VR_STILL.VRO is created.	Two or more VOBs and Cells may be created.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R4	Record <i>an Original Still Title</i> for the second or more time.		One Still VOB and one Program are added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R5	Record an additional audio for <i>an Original Still Title</i> for the first time.		One Still AA is created. VR_AUDIO.VRO is created.	Two or more AAs and AAGs may be created.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R6	Record an additional audio for <i>an Original Still Title</i> for the second or more time.		One Still AAG is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R7	Add <i>Entry Points</i> during recording. Ex. with pause key		An entry point is added every time recording is paused.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R8	Record two types of aspect ratio		Aspect ratio is described in M_VOB_STI and/or RDI.	Input 16:9 and 4:3 source.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
R9	Record broadcasts which include two language		Number of audio channels is described as 2ch (dual mono).		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R10	Change recording quality and record an <i>Original Movie Title</i>		A M_VOB_STI is added.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R11	Record <i>Original Movie Titles</i> on only layer 0		Movie VOBs are created on layer 0.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R12	Record <i>Original Movie Titles</i> on only layer 0 and layer 1		Movie VOBs are created on layer 0 and layer 1.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R13					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R14					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R15					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R16					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R17					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
R18					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R19					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R20					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R21					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R22					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R23					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R24					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Test results of Editing for 525/60 TV system for DL disc

(Test Tool: GRBTD-001-DL or equivalent, and DVD Video Recording Verifier)

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
E1	Make a <i>Play list Movie Title</i> for the first time.		One play list and one UD_PGCI which consists of Movie Cells are created.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E2	Make a <i>Play list Movie Title</i> for the second or more time.		One play list and one UD_PGCI which consists of Movie Cells are added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E3	Make a <i>Play list Still Title</i> (for the first time).		One play list and one UD_PGCI which consists of Still Cells are added/created.	If E1 was done, the play list is added. Else, play list and UD_PGCI is created.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E4	Make a <i>Play list Still Title</i> for the second or more time.		One play list and one UD_PGCI which consists of Still Cells are added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E5	Make a <i>Play list Hybrid Title</i> .		One play list and one UD_PGCI which consists of both Movie and Still Cells are added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E6	Make an <i>Entry Point in an Original Movie Title</i> .		One Entry Point in a Movie Title is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E7	Make a <i>Book Mark in an Original Movie Title</i> .		One Book Mark in a Movie Title is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E8	Make an <i>Entry Point in a Play list Movie Title</i> .		One Entry Point in a Play list is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E9	Make a <i>Book Mark in a Play list Movie Title</i> .		One Book Mark in a Play list is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E10	Make an <i>Entry Point in an Original Still Title</i> .		One Entry Point in a Still Title is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E11	Make a <i>Book Mark in an Original Still Title</i> .		One Book Mark in a Still Title is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
E12	Make an Entry Point in a Play list Still Title.		One Entry Point in a Play list is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E13	Make a Book Mark in a Play list Still Title.		One Book Mark in a Play list is added.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E14	Erase an Original Title Temporarily.		All Cells in the Program are referring to temporal erased VOBs.	This test may be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E15	Erase an Original Title permanently.		A Program is erased.	This test may be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E16	Delete a Play list Title.		A play list and corresponding UD_PGCI are deleted.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E17	Erase a portion of an Original Movie Title Temporarily.		A portion of a Movie VOB is divided and erased temporarily.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E18	Erase a portion of an Original Movie Title permanently.		A portion of a Movie VOB is divided and erased permanently.	This test should be done some times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E19	Protect an Original Title.		Made a Protected Program.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E20	Edit Disc representative name.		New Disc representative name is inputted.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E21	Edit Disc representative picture.		New Disc representative picture is inputted.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E22	Edit a Play list Title Name		New Primary Text in the Play list is inputted.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
E23	Edit an <i>Original Title</i> Name.		New Primary Text in the Program is inputted.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E24	Edit a <i>Book Mark</i> Name.		New Primary Text is inputted.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E25	Erase a chapter in an <i>Original Movie Title</i>		A selected chapter is erased.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E26	Change thumbnail on an <i>Original Movie Title</i>		Thumbnail and REP_PICTI is changed.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E27	Unprotect an <i>Original Movie Title</i>		Protected program is canceled.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E28	Split a <i>Play list Title</i>		A Play list is divided into two Play list titles.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E29	Move a <i>Play list Title</i>		Presentation order of Play lists are changed.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E30	Combine two <i>Play list Titles</i>		Two Play lists are combined.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E31	Erase a portion of a <i>Play list Title</i>		A portion of a Play list is divided and erased.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E32	Change thumbnail on a <i>Play list Title</i>		Thumbnail and REP_PICTI is changed.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E33	Erase a chapter in a <i>Play list Title</i>		A selected chapter is erased.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
E34	Move chapters in a <i>Play list Title</i>		A chapter is moved to other position in the Play list.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E35	Combine chapters in an <i>Original Movie Title</i>		An Entry Point is erased.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E36	Combine chapters in a <i>Play list Title</i>		An Entry Point is erased.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E37	Protect disc		Made a Protected disc.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E38	Unprotect disc		Protected disc is canceled.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E39	Erase a portion that is recorded on from layer 0 to layer 1 continuously of an <i>Original Movie Title</i> .		A portion of a Movie VOB is divided and erased permanently.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E40	Delete All <i>Play list Titles</i> .		No Play list and No UD_PGCI.	Caution These items shall be done after testing of all operations regarding editing including the items that applicant nominated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E41	Erase All <i>Original Titles</i> temporarily.		All Titles refer to temporal erased VOB.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E42	Erase All <i>Original Titles</i> permanently.		All Titles are deleted.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E43					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sequence No.	Check Item	Operation Nomination	Expected result / Check point	Note	Applicant		Lab	
					OK	NG	OK	NG
E44					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E45					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E46					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E47					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E48					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E49					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E50					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E51					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E52					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Test result of File System verification

(Test tools: Recorded GRBTD-001 and/or GRBTD-001-DL or equivalent, and TFSV05 and/or TFSV07)

Items	Applicant		Lab		Judgment
File System verification for SL disc	<input type="checkbox"/> OK	<input type="checkbox"/> NG	<input type="checkbox"/> OK	<input type="checkbox"/> NG	
File System verification for DL disc	<input type="checkbox"/> OK	<input type="checkbox"/> NG	<input type="checkbox"/> OK	<input type="checkbox"/> NG	



Confirmation of DVD Format Verification

The following product is confirmed that it is on the strength of ☐ DVD Specifications for Recordable Disc for General Part 1 (Ver. 2.1) & Part 2 (Ver. 2.1) and ☐ DVD Specifications for Recordable Disc for Dual Layer Part 1 (Ver. 3.0) & Part 2, and the corresponding Optional Specifications for high speed recording, and DVD Specifications for DVD-RAM/DVD-RW/DVD-R for General Discs Part 3 Video Recording (Ver.1.2) by DVD Format Verification Laboratory of the Company: _____

Verified type:		<input type="checkbox"/> For SL	<input type="checkbox"/> For DL
Product type:	TV System <input type="checkbox"/> 525/60	Class <input type="checkbox"/> Class 0	Adaptable recording speed
			SL disc
			DL disc
			<input type="checkbox"/> 1x only <input type="checkbox"/> 8x max. <input type="checkbox"/> 4x max. <input type="checkbox"/> 12x max. <input type="checkbox"/> 6x max. <input type="checkbox"/> 16x max.
Product name :		_____	
Model number :		_____	
Application number :		_____	
Date of application (mm. dd, yyyy) :		_____	
Applicant:	Name :	_____	
	Company name :	_____	
	Address :	_____	
	Tel : _____ Fax: _____		
Date of issue (mm. dd, yyyy) :		_____	
Confirmed by:	Signature :	_____	
	Name :	_____	
	Lab name :	_____	
	Address :	_____	
	Tel : _____ Fax: _____		
Attachment: 1) Test result: Form 2W and Forms listed on <input type="checkbox"/> Table 3.2-3(SL) and/or <input type="checkbox"/> Table 3.2-4(DL) .			
2) Others: _____			

Note: (1) The purpose of DVD Format Verification is to promote and enhance compatibility of DVD Product for DVD Industry based upon the minimum common specification requirements.

(2) The "Confirmation of DVD Format Verification", however, shall not be considered to guarantee the quality of product and the compatibility with a specific DVD disc or player/recorder.

(3) Information in this report shall be treated as confidential under the Non Disclosure Agreement executed between the applicant and DVD Format Verification Laboratory dated (mm. dd, yyyy) _____.