

TEST HS1

TWG2

CDs21 Solutions

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Objective

- Confirm the characteristic of high speed CD-RW at 4X, 8X and 10X writing speed with some drive types.
- - Power margin
- - The characteristic of DOW 0 and DOW 1.



Participants

- Drive maker (13)

Kyushu Matsushita, LG, MITSUMI, NEC, Philips, RICOH, Samsung, SANYO, Shinano Kenshi, SONY, TEAC, TOSHIBA, YAMAHA

- Media Maker (8)

ACER, CMC, Imation, Mitsubishi chemical, Prodisc, RICOH, RiTEK, SONY



Testing Method

- Writing Sequence
 - Power margin; 16-25mW, 1mW/Step,
9 powers
 - DOW 0 and DOW1; OPC Power
- Parameter of evaluation
 - Jitter, BLER, m11, I3/I11, Asymmetry



Summary(tentative)

- Almost all media show good DOW 0 power margin and good jitter of DOW1.
- One media show high jitter and high BLER at DOW1.
- Power margin of DOW1 is narrower than that of DOW0. So, power margin of DOW1 is important for compatibility.
- Some media show that power margin at higher writing speed is wider than that at 4X writing speed.

