

可靠度試驗報告

Reliability Test Report

QA Center

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試驗項目	M.T.B.F.	測試品	VS3101	Record No.	QRP-0202-02Me
<i>Test Item</i>		<i>E.U.T.</i>		<i>Issuing Date</i>	01/02/2002

1. Purpose:

To verify the **VS3101** Mean Time Between Failure.

2. Test Duration:

03/18/2002 ~ 01/02/2003.

3. Equipment:

3-1. Thermostat Oven.

a. Brand: **Chinee Instrument Co., LTD.**

b. Model: **CNSS-4.**

c. S/N: **0201-14.**

3-2. HUB.

a. Brand: **D-Link.**

b. Model: **DES-1008D.**

3-3. Personal Computer.

a. O/S: **MicroSoft Windows 2000 Professional.**

b. S/W: **ST3401 Storage Software.**

3-4. Video Pattern Generator.

3-5. Switching Power Supply.

4. Test Condition:

4-1. Environment: **65 ±1** , Humidity: **20% 90% RH.**

4-2. Confidence Level: **95%.**

4-3. Power supply: **12V DC.**

4-4. Activation energy arrhenius: **0.5eV.**

4-5. Acceleration Factor: **10.00**, Test Time: **289days**, M.T.B.F. Spec.:**255,000 Hrs.**

4-6. Test method: Use a HUB to setup a private network to connect the **VS3101** and the PC. Run **ST3401** on the PC to connect to the **VS3101** to monitor if the video is received correctly.

4-7. Test regulation: According to reliability test specification of M.T.B.F. (**QAS70007**).

5. Gauge:

The test passes under the network function of the target works correctly during the process.

6. Sample Quantity:

11 PCs.

7. Result: **PASSED!**

Performance of the E.U.T. is within acceptable limits and hardware is undamaged. So the M.T.B.F. of **VS3101** meets **255,000 Hrs.**

8. Attachment:

8-1. Environment of the E.U.T. (See attachment picture).

8-2. Mean Time Between Failure (M.T.B.F) test record. (**QRP-0202-02Mr**)

Approved by : _____
Eddy Lan

Tested by : _____
George Tang



Mean Time Between Failure (MTBF) Test Record

VIVOTEK 晶睿通訊股份有限公司		E.U.T. VS3101 Page 1/2																			
		Duration 03/18/2002-01/02/2003																			
S/N	IP	Date	03 18	03 19	03 20	03 21	03 22	03 25	03 28	04 04	04 11	04 18	04 25	05 02	05 09	05 23	06 06	06 20	07 04	07 18	
0002D110013F	212		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	140	213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	141	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	142	215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	143	216	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	144	217	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	146	218	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	147	219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	148	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	149	221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	14A	222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
															C=0	C=1	C=0				
															05/08	06/07	07/09				
															45Khrs	45Khrs	100K				
Tested by																					
Remark		1 st issued: 45,000Hrs. (05/09/2002) 2 nd issued: 100,000Hrs. (07/10/2002) 3 rd issued: 255,000Hrs. (01/02/2003) Company location: HK																			
		Record No.: QRP-0202-02M QAS70007-01																			

Mean Time Between Failure (MTBF) Test Record

VIVOTEK 晶睿通訊股份有限公司		E.U.T. VS3101 Page 2/2																					
		Duration 03/18/2002-01/02/2003																					
S/N	IP	Date	08 01	08 15	08 29	09 12	09 26	10 09	10 24	11 07	11 21	12 05	12 19	01 02	01 16	01 30	02 13	02 27	03 13	03 27			
0002D110013F	212		0	0	0	0	0	0	0	0	0	0	0	0									
	140	213	0	0	0	0	0	0	0	0	0	0	0	0									
	141	214	0	0	0	0	0	0	0	0	0	0	0	0									
	142	215	0	0	0	0	0	0	0	0	0	0	0	0									
	143	216	0	0	0	0	0	0	0	0	0	0	0	0									
	144	217	0	0	0	0	0	0	0	0	0	0	0	0									
	146	218	0	0	0	0	0	0	0	0	0	0	0	0									
	147	219	0	0	0	0	0	0	0	0	0	0	0	0									
	148	220	0	0	0	0	0	0	0	0	0	0	0	0									
	149	221	0	0	0	0	0	0	0	0	0	0	0	0									
	14A	222	0	0	0	0	0	0	0	0	0	0	0	0									
									C=1							C=2							C=0
									09/14							11/11							01/02
									100K							100K							255K
									Hrs							Hrs							Hrs
Tested by																							
Remark		1 st issued: 45,000Hrs. (05/09/2002) 2 nd issued: 100,000Hrs. (07/10/2002) 3 rd issued: 255,000Hrs. (01/02/2003)																					
		Record No.: QRP-0202-02M QAS70007-01																					