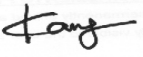
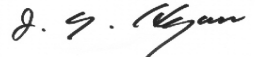


**SK TECH CO., LTD.**

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Certificate of Compliance

Test Report No.:	SKTOS-00115		
NVLAP CODE :	200220-0		
Applicant:	Another World., Inc.		
Applicant Address:	T.B.I.Center, Myong Ji University, San38-2, Nam-Dong Yongin, Kyunggi-Do, Republic of Korea		
Product:	3D GOGGLE		
FCC ID:	XXXANOHTEREYE2000	Model No.:	ANOTHER EYE 2000
Receipt No.:	SKE20000831-651	Date of receipt:	Aug. 31, 2000
Date of Issue:	Sep. 21, 2000		
Testing location:	SK TECH CO., LTD. 820-2, Wolmoon-Ri, Wabu-Up, Namyangju-Si, Kyunggi-Do, Korea		
Test Standards:	ANSI C63.4 / 1992		
Rule Parts:	FCC part 15 Subpart B		
Equipment Class :	Class B Digital Device Peripheral		
Test Result:	The above mentioned product has been tested and passed.		
Prepared by: Y.H. Kang  Signature Date Tested by: S.W. Han/Engineer  Signature Date Approved by: J.Y. Hyun /Lab. Manager  Signature Date			
Other Aspects :			
Abbreviations :	· OK, Pass = passed · Fail = failed · N/A = not applicable		



- This test report is not permitted to copy partly without our permission.
- This test result is dependent on only equipment to be used.
- This test result is based on a single evaluation of one sample of the above mentioned.
- This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S Government.
- We certify that this test report has been based on the measurement standards that is traceable to the national or International standards.



NVLAP Lab. Code: 200220-0

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1. General

This equipment has been shown to be capable of compliance with the applicable technical standards and was tested in accordance with the measurement procedures as indicated in this report.

We attest to the accuracy of data. All measurements reported herein were performed by SK Tech Co., Ltd. and were made under Chief Engineer's supervision.

We assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

2. Test Site

SK TECH Co., Ltd.

2.1 Location

820-2, Wolmoon Ri, Wabu-Up, Namyangju-Si, Kyunggi-Do, Korea

The test site is in compliance with ANSI C63.4/1992 for measurement of radio interference.



2.2 List of Test and Measurement Instruments

Table 1 : List of Test and Measurement Equipment

- **Conducted Emissions**

Kind of Equipment	Type	S/N	Calibrated until
Field Strength Meter	ESHS 10	862970/019	04.2001
LISN	KNW-407	M63284	07.2001
LISN	ESH2-Z5	862060/029	06.2001
Conducted Cable	N/A	N/A	07.2001

- **Radiated Emissions**

Kind of Equipment	Type	S/N	Calibrated until
Field Strength Meter	ESVS 10	825120/013	04.2001
Spectrum Analyzer	R3361A	11730187	07.2001
Amplifier	8447F	3113A05153	05.2001
Log Periodic Antenna	UHALP9107	91071238	04.2001
Biconical Antenna	BBA9106	N/A	04.2001
Open Site Cable	N/A	N/A	07.2001
Antenna Mast	5907	N/A	N/A
Antenna & Turntable controller	5906	91X519	N/A
Amp & Receiver connection cable	N/A	N/A	07.2001
Amp & Spectrum connection cable	N/A	N/A	07.2001
50Ω Switcher	MP59B	M93083	07.2001

2.3 Test Date

Date of Application : Aug. 31, 2000

Date of Test : Sep. 19, 2000

2.4 Test Environment

See each test item's description.



3. Description of the tested samples

The EUT is 3D GOGGLE.

3.1 Rating and Physical Characteristics

- Power consumption : DC 5V, 25mA

3.2 Submitted Documents

N/A



4. Measurement Conditions

Testing Input Voltage : AC 120V, 60Hz (DC5V, 25mA by the PC)

4.1 Modes of Operation

The EUT was in the following operation mode during all testing;

EUT is connected all functional port in the PC. Run the Direct 3D game and 3D picture show up on the monitor. Check to normal operating condition.

4.2 List of Peripherals

Description	Manufacturer	Model Name	Serial No.	FCC ID
Personal Computer	H.P	Brio BA600/550	SG01901646	DoC
Monitor	Comtec Systems	CT-151A	None	DoC
Printer	H.P	2225C	3245S12493	DSI6XU2225
Joystick	Logitech	J-ZA10	LZA01651409	DoC
Keyboard	W3	IGK-2000i	100060126234	HQKBITS9001
Mouse 1	A4 Tech	AM-5E	951237243	H8GAM555P
Mouse 2	Logitech	M-BE55	LZE02551778	DoC
Mouse 3	Logitech	M-S48	LZA91457567	DZL211153
Speaker	FAN HAI DIAN	CMK600	None	N/A
Mic	None	None	None	N/A



4.3 Type of Used Cables

Description	Length	Type of shield	Manufacturer	Remark
PC power cable	1.8m	Non-Shield	None	
Monitor power cable	1.8m	Non-Shield	None	
VGA cable	1.5m	Shield	None	
Pinter power cable	1.8m	Non-shield	None	
Printer interface cable	1.6m	Shield	None	
Joystick interface cable	1.8m	Non-Shield	None	
Mouse 1 interface cable	1.8m	Non-shield	None	
Mouse 2 interface cable	1.8m	Non-shield	None	
Mouse 3 interface cable	1.8m	Shield	None	
Keyboard interface cable	1.8m	Non-Shield	None	
Speaker interface cable	1.2m	Non-Shield	None	
Speaker power cable	1.8m	Non-Shield	None	
Mic interface cable	2.0m	Non-Shield	None	

4.4 Test Setup

The test setup photographs showed the external supply connections and interfaces.

4.5 Uncertainty

1) Radiated disturbance

U_c (Combined standard Uncertainty) = $\pm 1.9\text{dB}$

Expanded uncertainty $U = KU_c$

$K = 2$

$\therefore U = \pm 3.8\text{dB}$

2) Conducted disturbance

$U_c = \pm 0.88\text{dB}$

$U = KU_c = 2 \times U_c = \pm 1.8\text{dB}$



5. EMISSION Test

5.1 Conducted Emissions

Result:**Pass**

The line-conducted facility is located inside a 2.0M x 3.6M x 7.2M shielded enclosure.

The shielding effectiveness of the shielded room is in accordance with MIL-Std-285 or NSA 604-05.

A 1m x 1.5m wooden table 80cm. high is placed 40cm. away from the vertical wall and 1.5m away from the side wall of the shielded room. Kyoritsu Model KNW-407 (10kHz-30MHz)

50ohm/50 uH Line-Impedance Stabilization Networks(LISNs) are bonded to the shielded room.

The EUT is powered from the Kyoritsu LISN and the support equipment is powered from the Kyoritsu LISN. Power to the LISNs are filtered by a high-current high-insertion loss Lindgren enclosures power line filters (100dB 14kHz-10GHz).

The purpose of the filter is to attenuate ambient signal interference and this filter is also bonded to the shielded enclosure.

All electrical cables are shielded by braided tinned copper zipper tubing with inner diameter of 1/2".

If the EUT is a DC-powered device, power will be derived from the source power supply it normally will be powered from and this supply lines will be connected to the Kyoritsu LISN.

All interconnecting cables more than 1 meter were shortened by non-inductive bundling (serpentine fashion) to a 1-meter length.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the spectrum analyzer to determine the frequency producing the maximum EME from the EUT.

The spectrum was scanned from 450kHz to 30MHz with 100msec. sweep time.

The frequency producing the maximum level was reexamined using EMI/field Intensity Meter (ESHS 10) and Quasi-Peak adapter. The detector function was set to CISPR quasi-peak mode.

The bandwidth of the receiver was set to 10kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each EME emission.

Each emission was maximized by: switching power lines; varying the mode of operation or resolution; clock or data exchange speed; if applicable; whichever determined the worst-case emission.

Photographs of the worst-case emission can be seen in photograph of conducted test.

Each EME reported was calibrated using self-calibrating mode.

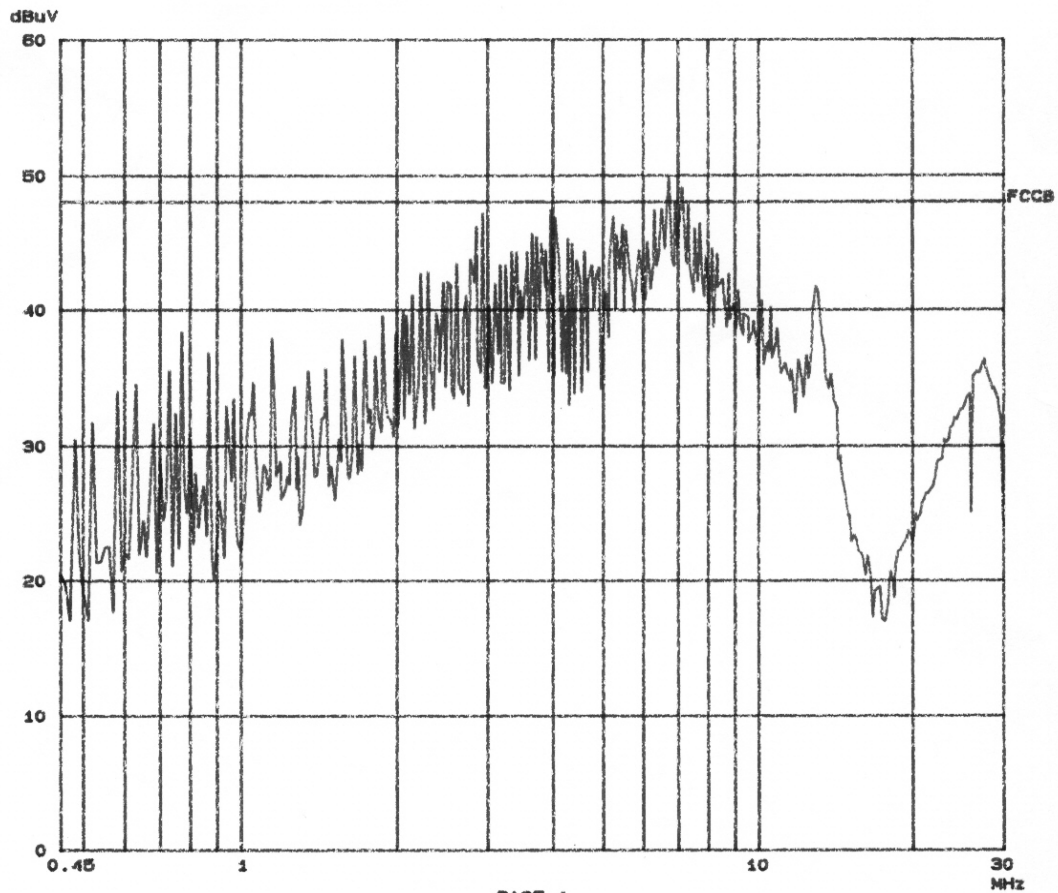
**SK TECH CO., LTD.**

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Figure 1 : Spectral Diagram, LINE - PE

EUT: MODEL NO: ANOTHER EYE 2000
Comment: LINE-PE 19. Sep 00 12:27

Scan Settings (1 Range)			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
450k	30M	10k	10k	PK	100ms	AUTO	LN	OFF 60dB



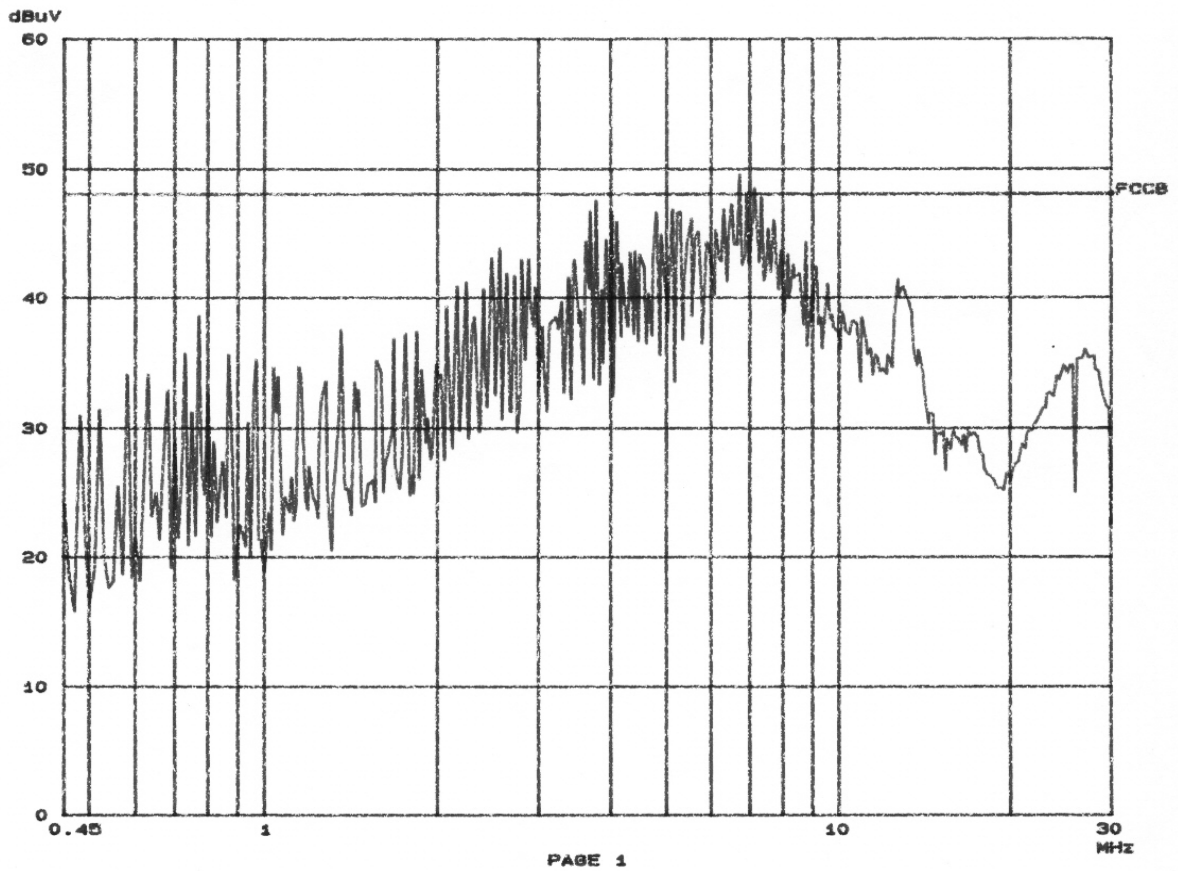
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Figure 2 : Spectral Diagram, NEUTRAL – PE

EUT: MODEL NO: ANOTHER EYE 2000
Comment: NEUTRAL-PE 19. Sep 00 12:36

Scan Settings (1 Range)			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
450k	30M	10k	10k	PK	100ms	AUTO	LN OFF	80dB



**Table 2: Test Data, Conducted Emissions**

Frequency (MHz)	(1)Reading (dBμV)	Line	(2)C/F (dB)	(3)C/L (dB)	(4)Actual (dBμV)	(5)Limit (dBμV)	(6)Margin (dB)
2.923	44.9	A	0.1	0.3	45.3	48.0	2.7
3.981	44.1	A	0.2	0.3	44.6	48.0	3.4
6.703	45.7	B	0.1	0.5	46.3	48.0	1.7
7.114	44.9	A	0.3	0.5	45.7	48.0	2.3
7.311	43.6	B	0.1	0.5	44.2	48.0	3.8
12.730	36.7	B	0.3	0.5	37.5	48.0	10.5

NOTES:

1. All modes of operation were investigated and the worst-case emission are reported.
2. All other emissions are non-significant.
3. All readings are calibrated by self-mode in receiver.
4. Measurements using CISPR quasi-peak mode.
5. Line A = LINE-PE, Line B = NEUTRAL-PE
6. C/F = Correction Factor
7. C/L = Cable Loss

♠ Margin Calculation

$$(6)\text{Margin} = (5)\text{Limit} - (4)\text{Actual}$$

$$[(4)\text{Actual} = (1)\text{Reading} + (2)\text{C/F} + (3)\text{C/L}]$$



5.2 Radiated Emissions

Result :**Pass**

Preliminary measurements were made indoors at 1 meter using broadband antennas, broadband amplifier, and spectrum analyzer to determine the frequency producing the maximum EME. Appropriate precaution was taken to ensure that all EME from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, turntable azimuth with respect to the antenna were noted for each frequency found. The spectrum was scanned from 30 to 300 MHz using biconical antenna and from 300 to 1000 MHz using log-periodic antenna. Above 1GHz, linearly polarized double ridge horn antennas were used.

Final measurements were made outdoors at 3-meter test range using SCHWARZBECK dipole antennas. The test equipment was placed on a wooden table situated on a 4x4 meter area adjacent to the measurement area. Turntable was to protect from weather in the dome that made with FRP. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. Each frequency found during pre-scan measurements was re-examined and investigated using EMI/Field Intensity Meter(ESVS 10) and Quasi-Peak Adapter. The detector function was set to CISPR quasi-peak mode and the bandwidth of the receiver was set to 100kHz or 1MHz depending on the frequency or type of signal.

The half-wave dipole antenna was tuned to the frequency found during preliminary radiated measurements. The EUT, support equipment and interconnecting cables were re-configured to the set-up producing the maximum emission for the frequency and were placed on top of a 0.8-meter high non-metallic 1 x 1.5 meter table.

The EUT, support equipment, and interconnecting cables were re-arranged and manipulated to maximize each EME emission. The turntable containing the system was rotated; the antenna height was varied 1 to 4 meters and stopped at the azimuth or height producing the maximum emission. Each emission was maximized by: varying the mode of operation or resolution; clock or data exchange speed, and/or support equipment, if applicable; and changing the polarity of the antenna, whichever determined the worst-case emission.

Photographs of the worst-case emission can be seen in photograph of radiated emission test. Each EME reported was calibrated using self-calibrating mode.

**Table 3 : Test Data, Radiated Emissions**

Frequency (MHz)	Pol.	Height [m]	Angle [°]	(1) Reading (dBμV)	(2) AFCL (dB/m)	(3) Actual (dBμV/m)	(4) Limit (dBμV/m)	(5) Margin (dB)
94.10	V	1.0	35	20.3	10.9	31.2	43.5	12.3
144.80	H	1.2	45	12.8	17.1	29.9	43.5	13.6
169.10	H	1.25	40	14.1	17.3	31.4	43.5	12.1
186.60	H	1.3	47	12.6	18.1	30.7	43.5	12.8
221.70	H	1.25	185	12.5	19.7	32.2	46.0	13.8
241.30	H	1.35	190	18.0	20.6	38.6	46.0	7.4

Table. Radiated Measurements at 3-meters

NOTES:

1. All modes of operation were investigated and the worst-case emission are reported.
2. All other emission are non-significant.
3. All readings are calibrated by self-mode in receiver.
4. Measurements using CISPR quasi-peak mode.
5. AFCL = Antenna factor and cable loss
6. H = Horizontal, V = Vertical Polarization

♣ Margin Calculation

$$(5)\text{Margin} = (4)\text{Limit} - (3)\text{Actual}$$

$$[(3)\text{Actual} = (1)\text{Reading} + (2)\text{AFCL}]$$