EXHIBIT D

CKC TEST REPORT

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FCC ID: AGL-21K15

ACCREDITED

CERTIFICATION TEST REPORT

FOR THE

KEYBOARD, RT21XXXXX

FCC/CISPR 22/85

CLASS B COMPLIANCE

DATE OF ISSUE: JUNE 23, 1998

PREPARED FOR:

NMB Technologies
9730 Independence Avenue
Chatsworth, CA 91311

P.O. No: Q010979

W.O. No: 69,231

Report No: **FB98-088**

Date of test: June 10, 1998

PREPARED BY:

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ADMINISTRATIVE INFORMATION

DATE OF TEST:	June 10, 1998
PURPOSE OF TEST:	To demonstrate the compliance of the Keyboard, RT21XXXXX, with the requirements for FCC/CISPR 22/85 Class B devices.
MANUFACTURER:	NMB Technologies 9730 Independence Avenue Chatsworth, CA 91311
REPRESENTATIVE:	Bob Dickerman
TEST LOCATION:	CKC Laboratories, Inc. 110 Olinda Place Brea, CA 92621
TEST PERSONNEL:	Eddie Wong
TEST METHOD:	ANSI C63.4 1992
FREQUENCY RANGE TESTED:	150kHz - 1000MHz
EQUIPMENT UNDER TEST:	**Keyboard** Manuf: NMB Technologies Model: RT21XXXXX Serial: FCC ID: Pending

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SUMMARY OF RESULTS

The NMB Technologies Keyboard, RT21XXXXX was tested in accordance with ANSI C63.4 (1992) for compliance with the Class B requirements of the FCC/CISPR 22/85 Rules.

As received, the above equipment was found to be fully compliant with the Class B limits of FCC/CISPR 22/85 for both radiated and conducted emissions.

EQUIPMENT UNDER TEST (EUT) DESCRIPTION

Keyboard, Computer HID serial input device.

MEASUREMENT UNCERTAINTY

Associated with data in this report is a ±4dB measurement uncertainty.

PERIPHERAL DEVICES

The EUT was tested with the following peripheral devices:

Computer
Manuf: Intel
Model: S100EDZ8FLC
Serial: A05721230
FCC ID: EJMBATTAHITI

Mouse
Manuf: Logitech
Model: M-CQ38
Serial: LT554205822
FCC ID: DZLM04

Printer
Manuf: HP
Model: C2184A
Serial: CN5B21R1DM
FCC ID: B94C2184X

Monitor
Manuf: HP
Model: D2806B
Serial: KR54366896
FCC ID: CSYSC-528UXH

Modem
Manuf: Hayes
Model: 6802US
Serial: A00768023303
FCC ID: BFJ9D9 6802US

Modem
Manuf: Hayes
Model: 6802US
Serial: B10068023649
FCC ID: BFJ9D9 6802US

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REPORT OF MEASUREMENTS

The following Tables 1 and 2 report the six highest radiated and conducted emissions levels recorded during the tests performed on the Keyboard, RT21XXXXX. The data sheets from which these tables were compiled are contained in Appendix B.

Table 1: Six Highest Radiated Emission Levels

FREQUENCY MHz	METER READING dBµV	CORRECTION FACTORS Ant dB	Amp dB	Cable dB	Dist dB	CORRECTED READING dBµV/m	SPEC LIMIT dBµV/m	MARGIN dB	NOTES
75.802	46.9	6.3	-28.1	1.9		27.0	30.0	-3.0	VDQ
126.270	33.0	16.1	-27.7	2.5		23.9	30.0	-6.1	V
166.177	32.0	17.5	-28.0	2.9		24.4	30.0	-5.6	HQ
209.980	31.7	17.0	-28.1	3.4		24.0	30.0	-6.0	VQ
299.128	31.8	23.0	-27.9	3.9		30.8	37.0	-6.2	H
531.825	35.5	17.8	-27.9	5.6		31.0	37.0	-6.0	HQ

Test Method: ANSI C63.4 1992
Spec Limit : CISPR 22 Class B
Test Distance: 10 Meters

NOTES:
H = Horizontal Polarization
V = Vertical Polarization
N = No Polarization
D = Dipole Reading
Q = Quasi Peak Reading
A = Average Reading

COMMENTS: The EUT is a keyboard and is connected to the host computer. The computer also has a monitor, mouse, printer, and two modems connected. The EUT is continually sending H's which is being displayed on the monitor.

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Table 2: Six Highest Conducted Emission Levels

FREQUENCY MHz	METER READING dBµV	CORRECTION FACTORS Lisn dB	dB	dB	dB	CORRECTED READING dBµV	SPEC LIMIT dBµV	MARGIN dB	NOTES
0.150957	45.9	0.0				45.9	55.9	-10.0	W
0.204879	44.8	0.0				44.8	53.4	-8.6	W
0.403474	35.6	0.0				35.6	47.8	-12.2	W
0.474544	36.8	0.0				36.8	46.4	-9.6	W
0.601549	37.6	0.0				37.6	46.0	-8.4	W
1.190462	33.2	0.0				33.2	46.0	-12.8	W

Test Method: ANSI C63.4 1992
Spec Limit : CISPR 22 Class B
Test Distance: No Distance

NOTES: Q = Quasi Peak Reading
A = Average Reading
B = Black Lead
W = White Lead

COMMENTS: The EUT is a keyboard and is connected to the host computer. The computer also has a monitor, mouse, printer, and two modems connected. The EUT is continually sending H's which is being displayed on the monitor. Test Voltage: 115VAC, 60 Hz; Temperature: 21 Degrees Celsius; Relative Humidity: 50 %.

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TABLE A

LIST OF TEST EQUIPMENT

Brea VCCI Acceptance No. R-301 & C-314

1. Spectrum Analyzer, Hewlett Packard, Model No. 8568A, S/N 2049A01287. Display 85680A S/N 2106A02109.
2. Preamp, Hewlett Packard, Model No. 8447D, S/N 1937A02548.
3. Quasi-Peak Adapter, Hewlett Packard, Model No. 85650A, S/N - 2030A00532.
4. Biconical Antenna, A & H Systems, Model No. SAS-200/540, S/N 220.
5. Log Periodic Antenna, A & H Systems, Model No. SAS-200/516, S/N 331.
6. Horn Antenna, Emco, Model No. 3115, S/N 4683.
7. Power Analyzer, Voltech, Model PM3000A v2.11, S/N 1730.
8. Magnetic Loop Antenna, Electro Metrics, Model No. ALR-25M, S/N 536
9. LISN, Solar Electronics, Model No. 8028-50-TS-24-BNC, S/N Brea #1.
10. LISN, Solar Electronics, Model No. 50 uH, S/N Brea #2.
11. Test software, EMI Test 2.91.

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EUT SETUP

The equipment under test (EUT) and the peripherals listed were setup in a manner that represented their normal use, as shown in the setup photographs in Appendix A. Any special conditions required for the EUT to operate normally are identified in the comments that accompany Table 1 for radiated emissions, and Table 2 for conducted emissions. Additionally, a complete description of all the ports and I/O cables is included on the information sheets contained in Appendix A.

During radiated emissions testing, the EUT was mounted on a nonconductive, rotating table 80 cm above the conductive grid. The nonconductive table dimensions were 1 meter by 1.5 meters. This configuration is typical for radiated emissions testing of table top devices.

I/O cables were connected to the EUT and peripherals in the manner required for normal operation of the system. Excess cabling was bundled in the center in a serpentine fashion using 30-40 centimeter lengths.

During conducted emissions testing, the EUT was located 80 centimeters above the conducting ground plane on the same nonconducting table as was used for radiated testing. The metal plane was grounded to the earth through the green wire safety ground. Power to the host computer was provided via 3 meters of shielded power cable from a filter grounded to the metal plane to a LISN. The LISN was also grounded to the plane and attached to the LISN was a 4 ganged grounded outlet whose source was also shielded and 60 cm in length. All other objects were kept a minimum of 1 meter away from the EUT during the conducted test.

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TEST INSTRUMENTATION AND ANALYZER SETTINGS

The test instrumentation and equipment listed in Table A were used to collect both the radiated and conducted emissions data for the Keyboard, RT21XXXXX. For radiated measurements below 300 MHz, the biconical antenna was used. For frequencies from 300 to 1000 MHz, the log periodic antenna was used. All antennas were located at a distance of 10 meters from the edge of the EUT. Conducted emissions tests required the use of the FCC type LISN's.

The HP spectrum analyzer was used for all measurements. Table B shows the analyzer bandwidth settings that were used in designated frequency bands. For conducted emissions, a reference level of 100 dBμV and a vertical scale size of 10 dB per division were used. A 10 dB external attenuator was also used during conducted tests, with internal offset correction in the analyzer. During radiated testing, the measurements were made with 0 dB of attenuation, a reference level of 97 dBμV, and a vertical scale of 10 dB per division.

TABLE B : ANALYZER BANDWIDTH SETTINGS PER FREQUENCY RANGE

TEST	BEGINNING FREQUENCY	ENDING FREQUENCY	BANDWIDTH SETTING
CONDUCTED EMISSIONS	150 kHz	30 MHz	9 kHz
RADIATED EMISSIONS	30 MHz	1000 MHz	120 kHz

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SPECTRUM ANALYZER DETECTOR FUNCTIONS

The notes that accompany the measurements contained in Tables 1 and 2 indicate the type of detector function used to obtain the given readings. Unless otherwise noted, all readings were made in the "Peak" mode. Whenever a "Quasi-Peak" or "Average" reading is listed as one of the six highest readings, this is indicated as a "Q" or an "A" in Table 1 or Table 2. The following paragraphs describe in more detail the detector functions and when they were used to obtain the emissions data for the Keyboard, RT21XXXXX.

Peak

In this mode, the Spectrum Analyzer or test engineer recorded all emissions at their peak value as the frequency band selected was scanned. By combining this function with another feature of the analyzer called "peak hold," the analyzer had the ability to measure transients or low duty cycle transient emission peak levels. In this mode the analyzer made a slow scan across the frequency band selected and measured the peak emission value found at each frequency across the band.

Quasi-Peak

When the true peak values exceeded or were within 2 dB of the specification limit, quasi-peak measurements were taken using the HP 85650A Quasi-Peak Adapter for the HP 8568B Spectrum Analyzer. The detailed procedure for making quasi peak measurements contained in the HP Quasi-Peak Adapter manual were followed.

Average

When the frequencies exceed 1 GHz, average measurements may be made using the spectrum analyzer. To make these measurements, the test engineer reduces the video bandwidth on the analyzer until the modulation of the signal is filtered out. At this point the analyzer is set into the linear mode and the scan time is reduced.

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TEST METHODS

The radiated and conducted emissions data of the Keyboard, RT21XXXXX, was taken with the HP Spectrum Analyzer. Incorporating the applicable correction factors for distance, antenna, cable loss and amplifier gain, the data was reduced as shown in the "Sample Calculations". The corrected data was then compared to the FCC/CISPR 22 Class B emissions limits to determine compliance.

Preliminary and final measurements were taken in order to better ensure that all emissions from the EUT were found and maximized.

Radiated Emissions Testing

During the preliminary radiated scan, the EUT was powered up and operating in its defined FCC test mode (printing "H's" to the CRT and peripherals) with the I/O cables and line cords facing the antenna. The frequency range of 30 MHz - 88 MHz was then scanned with the biconical antenna located about 1.5 meter above the ground plane in the vertical configuration. During this scan, the turntable was rotated and all peaks which were at or near the limit were recorded. The frequency range of 100 - 300 MHz was scanned in the same manner, using the biconical antenna, and the peaks recorded. Lastly, a scan of the FM band from 88 - 110 MHz was made, using a reduced resolution bandwidth and a reduced frequency span. The biconical antenna was changed to the horizontal polarity and the above steps were repeated. After changing to the log periodic antenna in the horizontal configuration, the frequency range of 300 - 1000 MHz was scanned. The log periodic antenna was changed to the vertical polarity and the frequency range of 300 - 1000 MHz was again scanned. Care was taken to ensure that no frequencies were missed within the FM and TV bands. An analysis was performed to determine if the signals that were at or near the limit were caused by an ambient transmission. If unable to determine by analysis, the equipment was powered down to make the final determination if the EUT was the source of the emission.

For the final radiated scan, the equipment was again positioned with its I/O and power cables facing the antenna. A thorough scan of all frequencies was manually made using a small frequency span, rotating the turntable as needed. Comparison with the previously recorded measurements was then made.

Using the peak readings from both scans as a guide, the test engineer then maximized the readings with respect to the table rotation, antenna height and configuration of the peripherals and cables. Maximizing of the cables was achieved by monitoring the spectrum analyzer on a closed circuit television monitor while the EUT cables were being moved and rearranged on the EUT table for maximum emissions. Photographs showing the final worst case configuration of the EUT are contained in Appendix A.

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Conducted Emissions Testing

For conducted emissions testing, a 30 to 50 second sweep time was used for automated measurements in the frequency bands of 150 kHz to 1.705 MHz, 1.705 MHz to 3 MHz, and 3 MHz to 30 MHz. All readings within 20 dB of the limit were recorded. At frequencies where the recorded emissions were close to the limit, further investigation was performed manually at a slower sweep rate.

SAMPLE CALCULATIONS

The basic spectrum analyzer reading was converted using correction factors as shown in the six highest emissions readings in Tables 1 and 2. For radiated emissions in dBμV/m, the spectrum analyzer reading in dBμV was corrected by using the following formula:

Meter reading (dBμV)
+ Antenna Factor (dB)
+ Cable Loss (dB)
- Distance Correction (dB)
- Pre-amplifier Gain (dB)

= Corrected Reading(dBμV/m)

This reading was then compared to the applicable specification limit to determine compliance. For conducted emissions, no correction factors were needed when 50 μH LISN's were used.

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APPENDIX A

INFORMATION ABOUT THE EQUIPMENT UNDER TEST

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INFORMATION ABOUT THE EQUIPMENT UNDER TEST	
Test Software/Firmware:	
CRT was displaying:	Scrolling "H's"
Power Supply Manufacturer:	
Power Supply Part Number:	
AC Line Filter Manufacturer:	
AC Line Filter Part Number:	
Line voltage used during testing:	115 VAC/ 60Hz

I/O PORTS	
Type	#
Serial, Keyboard	1

CRYSTAL OSCILLATORS	
Type	Freq In MHz
RC Resonator (Clock)	4

PRINTED CIRCUIT BOARDS				
Function	Model & Rev	Clocks, MHz	Layers	Location
Logic Z86K15 MPU	3058-3069 Rev. C	4	1	Inside K/B

REQUIRED EUT CHANGES TO COMPLY:
N/A

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CABLE INFORMATION

Cable #:	1	Cable(s) of this type:	1
Cable Type:	Serial	Shield Type:	Foil
Construction:	Round	Length In Meters:	1.5
Connected To End (1):	Mini Din	Connected To End (2):	PCB
Connector At End (1):		Connector At End (2):	
Shield Grounded At (1):	Chassis Ground	Shield Grounded At (2):	Chassis Ground
Part Number:		Number of Conductors:	4
Notes:			

Cable Routing For Worst Case Emissions:
Cable length only allows routing as shown in photograph.

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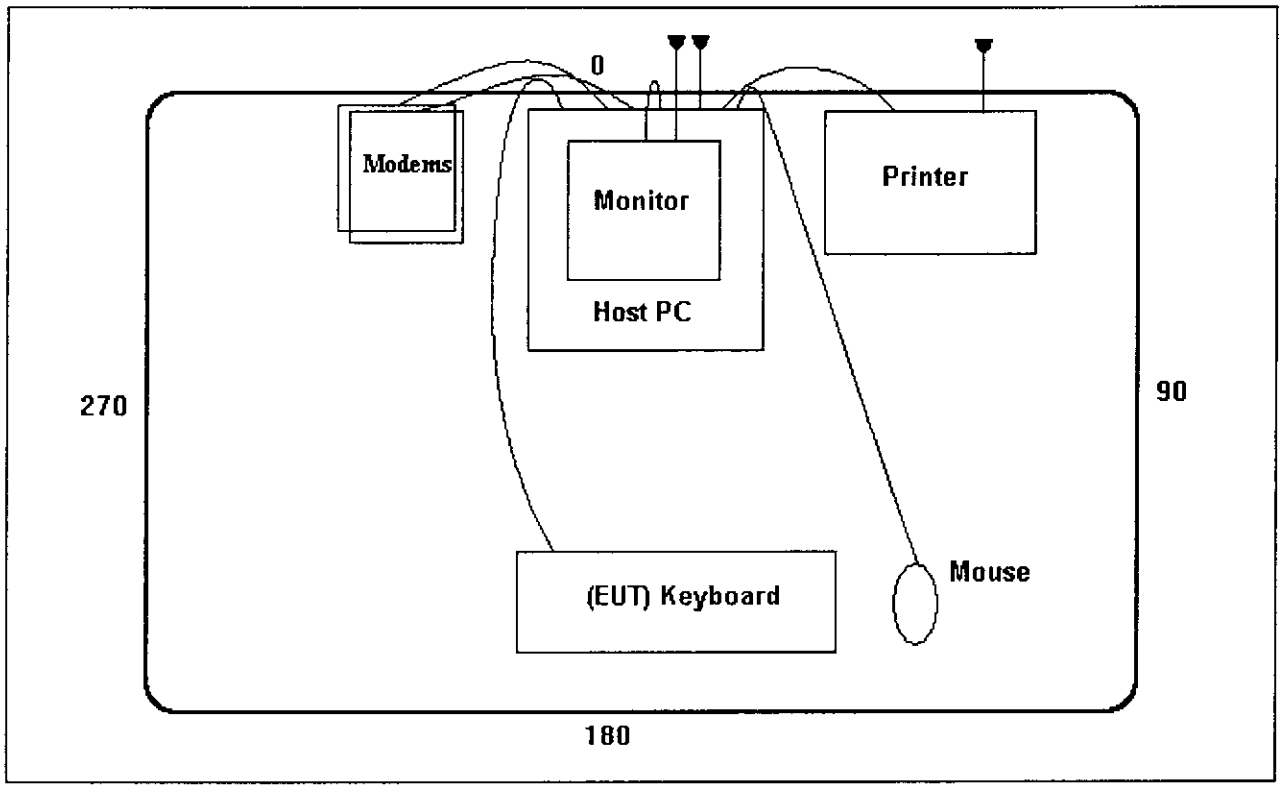
EQUIPMENT CONFIGURATION BLOCK DIAGRAM



NOTES:

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APPENDIX B

MEASUREMENT DATA SHEETS

5473A CLOUDS REST • MARIPOSA, CALIFORNIA 95338 • (209) 966-5240 • FAX (209) 966-4257

Test Location: CKC LABORATORIES INC • 110 N. OLINDA PL. • BREA, CA 92823 • 714-993-6112

Customer: **NMB Technologies**
Specification: **CISPR 22 B RADIATED**
Test Type: **Maximized Emissions**
Equipment: **Keyboard**
Manufacturer: NMB Technologies
Model: RT21XXXXX
S/N: NA

Date: Jun-10-98
Time: 15:09
Sequence#: 3

Tested By: Eddie Wong

Equipment Under Test **(* = EUT):**

Function	Manufacturer	Model #	S/N
Keyboard*	NMB Technologies	RT21XXXXX	NA

Support Devices:

Function	Manufacturer	Model #	S/N
Computer	Intel	S100EDZ8FLC	A05721230
Monitor	HP	D2806B	KR54366896
Mouse	Logitech	M-CQ38	LT554205822
Modem	Hayes	6802US	A00768023303
Printer	HP	C2184A	CN5B21R1DM
Modem	Hayes	6802US	B10068023649

Test Conditions / Notes:

The EUT is a keyboard and is connected to the host computer. The computer also has a monitor, mouse, printer, and two modems connected. The EUT is continually sending H's which is being displayed on the monitor.

Measurement Data: Sorted by Margin Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	BICON dipol dB	LOG dipol dB	Cable dB	Cable dB	Dist dB	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar
1	731.214	34.0	+0.0	+22.6	+6.0	+1.1	+0.0	36.5	37.0	-0.5	Horiz
	Quasi Peak		-27.2	+0.0							
	Non Keyboard										
^	731.211	36.4	+0.0	+22.6	+6.0	+1.1	+0.0	38.9	37.0	+1.9	Horiz
			-27.2	+0.0							
	Non Keyboard										
3	75.802	46.9	+0.0	+0.0	+1.6	+0.3	+0.0	27.0	30.0	-3.0	Vert
	Dipole QP		-28.1	+6.3							
^	75.783	48.8	+0.0	+0.0	+1.6	+0.3	+0.0	28.9	30.0	-1.1	Vert
	Dipole		-28.1	+6.3							
^	75.802	48.7	+7.4	+0.0	+1.6	+0.3	+0.0	29.9	30.0	-0.1	Vert
	Quasi Peak		-28.1	+0.0							
^	75.790	49.6	+7.4	+0.0	+1.6	+0.3	+0.0	30.8	30.0	+0.8	Vert
			-28.1	+0.0							
7	110.577	38.2	+14.0	+0.0	+1.9	+0.3	+0.0	26.6	30.0	-3.4	Vert
	Quasi Peak		-27.8	+0.0							
	Non Keyboard										

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^	110.587	40.2	+14.0	+0.0	+1.9	+0.3	+0.0	28.6	30.0	-1.4	Vert
			-27.8	+0.0							
	Non Keyboard										
9	111.979	36.6	+14.2	+0.0	+1.9	+0.3	+0.0	25.2	30.0	-4.8	Horiz
	Quasi Peak		-27.8	+0.0							
	Non Keyboard										
^	111.992	37.7	+14.2	+0.0	+1.9	+0.3	+0.0	26.3	30.0	-3.7	Horiz
			-27.8	+0.0							
	Non Keyboard										
11	119.998	34.1	+15.7	+0.0	+2.0	+0.4	+0.0	24.5	30.0	-5.5	Vert
	Quasi Peak		-27.7	+0.0							
	Non Keyboard										
^	119.992	37.3	+15.7	+0.0	+2.0	+0.4	+0.0	27.7	30.0	-2.3	Vert
			-27.7	+0.0							
	Non Keyboard										
13	166.177	32.0	+17.5	+0.0	+2.4	+0.5	+0.0	24.4	30.0	-5.6	Horiz
	Quasi Peak		-28.0	+0.0							
^	166.158	34.9	+17.5	+0.0	+2.4	+0.5	+0.0	27.3	30.0	-2.7	Horiz
			-28.0	+0.0							
15	531.825	35.5	+0.0	+17.8	+4.9	+0.7	+0.0	31.0	37.0	-6.0	Horiz
	Quasi Peak		-27.9	+0.0							
^	531.811	39.0	+0.0	+17.8	+4.9	+0.7	+0.0	34.5	37.0	-2.5	Horiz
			-27.9	+0.0							
17	209.980	31.7	+17.0	+0.0	+2.8	+0.6	+0.0	24.0	30.0	-6.0	Vert
	Quasi Peak		-28.1	+0.0							
^	209.986	33.9	+17.0	+0.0	+2.8	+0.6	+0.0	26.2	30.0	-3.8	Vert
			-28.1	+0.0							
19	126.270	33.0	+16.1	+0.0	+2.1	+0.4	+0.0	23.9	30.0	-6.1	Vert
			-27.7	+0.0							
20	299.128	31.8	+23.0	+0.0	+3.4	+0.5	+0.0	30.8	37.0	-6.2	Horiz
			-27.9	+0.0							
21	82.184	42.1	+7.9	+0.0	+1.6	+0.3	+0.0	23.7	30.0	-6.3	Vert
	Quasi Peak		-28.2	+0.0							
^	82.173	45.2	+7.9	+0.0	+1.6	+0.3	+0.0	26.8	30.0	-3.2	Vert
			-28.2	+0.0							
23	166.174	31.2	+17.5	+0.0	+2.4	+0.5	+0.0	23.6	30.0	-6.4	Vert
	Quasi Peak		-28.0	+0.0							
^	166.168	35.2	+17.5	+0.0	+2.4	+0.5	+0.0	27.6	30.0	-2.4	Vert
			-28.0	+0.0							
25	209.983	31.2	+17.0	+0.0	+2.8	+0.6	+0.0	23.5	30.0	-6.5	Horiz
	Quasi Peak		-28.1	+0.0							
^	209.983	34.7	+17.0	+0.0	+2.8	+0.6	+0.0	27.0	30.0	-3.0	Horiz
			-28.1	+0.0							
27	715.882	28.0	+0.0	+22.8	+5.9	+1.1	+0.0	30.5	37.0	-6.5	Horiz
	Quasi Peak		-27.3	+0.0							
^	715.907	31.7	+0.0	+22.8	+5.9	+1.1	+0.0	34.2	37.0	-2.8	Horiz
			-27.3	+0.0							
29	144.327	30.6	+17.4	+0.0	+2.3	+0.6	+0.0	22.9	30.0	-7.1	Vert
	Quasi Peak		-28.0	+0.0							

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^	144.309	34.3	+17.4 -28.0	+0.0 +0.0	+2.3	+0.6	+0.0	26.6	30.0	-3.4	Vert
31	197.990 Quasi Peak	30.7	+16.7 -28.1	+0.0 +0.0	+2.8	+0.7	+0.0	22.8	30.0	-7.2	Horiz
^	197.998	33.0	+16.7 -28.1	+0.0 +0.0	+2.8	+0.7	+0.0	25.1	30.0	-4.9	Horiz
33	79.990 Quasi Peak	41.2	+7.4 -28.2	+0.0 +0.0	+1.6	+0.3	+0.0	22.3	30.0	-7.7	Vert
^	79.989	45.0	+7.4 -28.2	+0.0 +0.0	+1.6	+0.3	+0.0	26.1	30.0	-3.9	Vert
35	155.975 Quasi Peak	29.5	+17.5 -28.0	+0.0 +0.0	+2.4	+0.5	+0.0	22.0	30.0	-8.1	Horiz
^	155.996	32.7	+17.5 -28.0	+0.0 +0.0	+2.4	+0.5	+0.0	25.1	30.0	-4.9	Horiz
37	731.217 Quasi Peak	26.4	+0.0 -27.2	+22.6 +0.0	+6.0	+1.1	+0.0	28.9	37.0	-8.1	Vert
^	731.227	30.7	+0.0 -27.2	+22.6 +0.0	+6.0	+1.1	+0.0	33.2	37.0	-3.8	Vert
39	134.314 Quasi Peak	29.0	+16.8 -27.9	+0.0 +0.0	+2.2	+0.5	+0.0	20.6	30.0	-9.4	Vert
^	134.303	32.9	+16.8 -27.9	+0.0 +0.0	+2.2	+0.5	+0.0	24.5	30.0	-5.5	Vert

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Test Location: CKC LABORATORIES INC • 110 N. OLINDA PL. • BREA, CA 92823 • 714-993-6112

Customer: **NMB Technologies**
Specification: **CISPR22 B COND [AVE]**
Test Type: **Conducted Emissions**
Equipment: **Keyboard**
Manufacturer: NMB Technologies
Model: RT21XXXXX
S/N: NA

Date: Jun-10-98
Time: 17:04
Sequence#: 2

Tested By: Eddie Wong

Equipment Under Test **(* = EUT):**

Function	Manufacturer	Model #	S/N
Keyboard*	NMB Technologies	RT21XXXXX	NA

Support Devices:

Function	Manufacturer	Model #	S/N
Computer	Intel	S100EDZ8FLC	A05721230
Monitor	HP	D2806B	KR54366896
Mouse	Logitech	M-CQ38	LT554205822
Modem	Hayes	6802US	A00768023303
Printer	HP	C2184A	CN5B21R1DM
Modem	Hayes	6802US	B10068023649

Test Conditions / Notes:

The EUT is a keyboard and is connected to the host computer. The computer also has a monitor, mouse, printer, and two modems connected. The EUT is continually sending H's which is being displayed on the monitor. Test Voltage: 115VAC, 60 Hz; Temperature: 21 Degrees Celsius; Relative Humidity: 50 %.

Measurement Data: Sorted by Margin Test Lead: Black

#	Freq	Rdng dBµV	dB	dB	dB	dB	Dist dB	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar
1	150.638k	45.9					+0.0	45.9	56.0	-10.1	Black
2	199.135k	43.3					+0.0	43.3	53.6	-10.3	Black
3	600.233k	35.6					+0.0	35.6	46.0	-10.4	Black
4	469.279k	35.7					+0.0	35.7	46.5	-10.8	Black
5	535.743k	34.2					+0.0	34.2	46.0	-11.8	Black
6	637.742k	33.8					+0.0	33.8	46.0	-12.2	Black
7	3.032M	33.1					+0.0	33.1	46.0	-12.9	Black

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8	3.107M	33.0	+0.0	33.0	46.0	-13.0	Black
9	1.192M	32.7	+0.0	32.7	46.0	-13.3	Black
10	868.799k	32.4	+0.0	32.4	46.0	-13.6	Black
11	803.653k	32.4	+0.0	32.4	46.0	-13.6	Black
12	1.211M	32.3	+0.0	32.3	46.0	-13.7	Black
13	406.764k	34.0	+0.0	34.0	47.7	-13.7	Black
14	2.954M	32.2	+0.0	32.2	46.0	-13.8	Black
15	1.602M	32.0	+0.0	32.0	46.0	-14.0	Black

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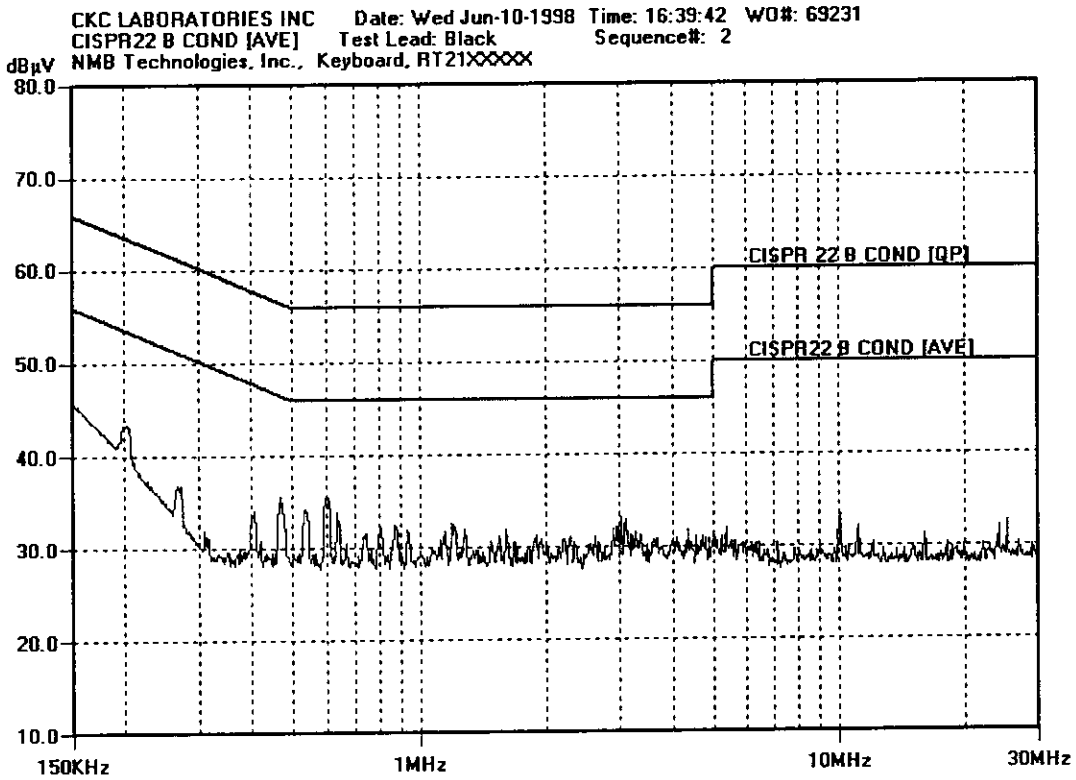

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Test Location: CKC LABORATORIES INC • 110 N. OLINDA PL. • BREA, CA 92823 • 714-993-6112

Customer: **NMB Technologies**
Specification: **CISPR22 B COND [AVE]**
Test Type: **Conducted Emissions**
Equipment: **Keyboard**
Manufacturer: NMB Technologies
Model: RT21XXXXX
S/N: NA

Date: Jun-10-98
Time: 17:03
Sequence#: 1
Tested By: Eddie Wong

Equipment Under Test **(* = EUT):**

Function	Manufacturer	Model #	S/N
Keyboard*	NMB Technologies	RT21XXXXX	NA

Support Devices:

Function	Manufacturer	Model #	S/N
Computer	Intel	S100EDZ8FLC	A05721230
Monitor	HP	D2806B	KR54366896
Mouse	Logitech	M-CQ38	LT554205822
Modem	Hayes	6802US	A00768023303
Printer	HP	C2184A	CN5B21R1DM
Modem	Hayes	6802US	B10068023649

Test Conditions / Notes:

The EUT is a keyboard and is connected to the host computer. The computer also has a monitor, mouse, printer, and two modems connected. The EUT is continually sending H's which is being displayed on the monitor. Test Voltage: 115VAC, 60 Hz; Temperature: 21 Degrees Celsius; Relative Humidity: 50 %.

Measurement Data: Sorted by Margin Test Lead: White

#	Freq	Rdng dBµV	dB	dB	dB	dB	Dist dB	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar
1	601.549k	37.6					+0.0	37.6	46.0	-8.4	White
2	204.879k	44.8					+0.0	44.8	53.4	-8.6	White
3	539.033k	37.3					+0.0	37.3	46.0	-8.7	White
4	474.544k	36.8					+0.0	36.8	46.4	-9.6	White
5	150.957k	45.9					+0.0	45.9	55.9	-10.0	White
6	403.474k	35.6					+0.0	35.6	47.8	-12.2	White
7	1.190M	33.2					+0.0	33.2	46.0	-12.8	White
8	3.344M	33.1					+0.0	33.1	46.0	-12.9	White

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9	637.742k	33.1	+0.0	33.1	46.0	-12.9	White
10	400.183k	34.9	+0.0	34.9	47.8	-12.9	White
11	270.286k	38.2	+0.0	38.2	51.1	-12.9	White
12	3.064M	33.0	+0.0	33.0	46.0	-13.0	White
13	3.032M	32.8	+0.0	32.8	46.0	-13.2	White
14	3.170M	32.6	+0.0	32.6	46.0	-13.4	White
15	263.905k	37.8	+0.0	37.8	51.3	-13.5	White

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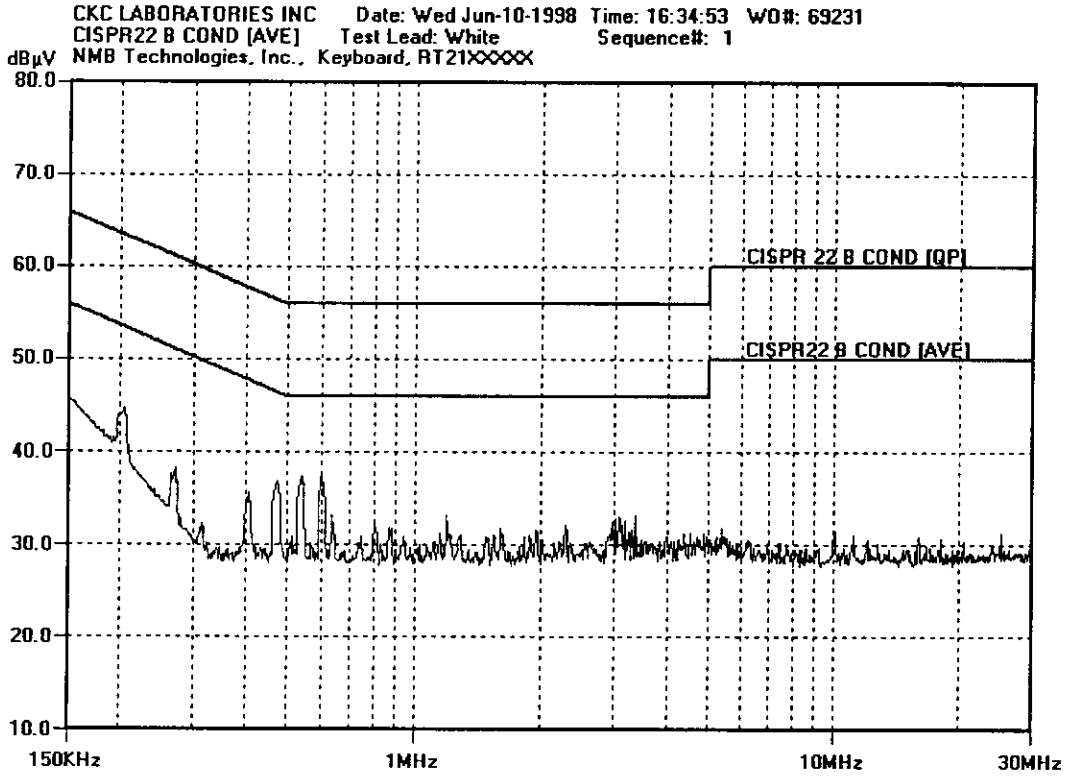

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