



## **ADDENDUM TO FC00-076**

## FOR THE

## PS2 KEYBOARD, RT7D00

## **FCC/CISPR 22/85**

## **CLASS B COMPLIANCE**

DATE OF ISSUE: AUGUST 21, 2000

PREPARED FOR:

**PREPARED BY:** 

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P.O. No: PQ011815 W.O. No: 74670 Mary Ellen Clayton CKC Laboratories, Inc. 5473A Clouds Rest Mariposa, CA 95338

Date of test: August 4, 2000

Report No: FC00-076A

**DOCUMENTATION CONTROL:** 

**APPROVED BY:** 

Tracy Phillips

**Documentation Control Supervisor** 

CKC Laboratories, Inc.

Dennis Ward

Director of Laboratories CKC Laboratories, Inc.

Dennis Ward

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Page: 2 of 21 Report No: FC00-076A CKC Laboratories, Inc. has Certificates of Accreditation from the following agencies:

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Korea; TUV Rheinland-Russia; Radio Communications Agency (RA); NEMKO (Norway).

#### ADMINISTRATIVE INFORMATION

**DATE OF TEST:** August 4, 2000

**PURPOSE OF TEST:** To demonstrate the compliance of the PS2

Keyboard, RT7D00, with the requirements for FCC/CISPR 22/85 Class B devices.

MANUFACTURER: NMB Technologies Corp.

9730 Independence Ave. Chatsworth, CA 91311

**REPRESENTATIVE:** Bob Dickerman

**TEST LOCATION:** CKC Laboratories, Inc.

110 Olinda Place Brea, CA 92621

**TEST PERSONNEL:** Stuart Yamamoto

**TEST METHOD:** ANSI C63.4 1992

FREQUENCY RANGE TESTED: 150kHz - 1000MHz

**EQUIPMENT UNDER TEST:** PS2 Keyboard

Manuf: NMB Technologies Corp.

Model: RT7D00 Serial: NA

FCC ID: AQ6-7D0080COB

## **DIFFERENCES FROM PREVIOUS TESTING:**

NMB had changed the ferrite shield bead integrated on the cordset because the ferrite usually used was unprocurable within a reasonable time frame. The current ferrite was deemed to be a reasonable substitute for the previous part, and permissive change test data indicates that it performs adequately in EMI Suppression. The new part is from B&F Electronics and the part number is B15T8X3X4.

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## REPORT OF MEASUREMENTS

The following Tables 1 and 2 report the six highest worst case radiated and conducted emissions levels recorded during the tests performed on the PS2 Keyboard, RT7D00. All readings taken are peak readings unless otherwise noted by a "Q" or "A". 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	COR Ant dB	RECTION Amp dB	ON FACT Cable dB	ORS Dist dB	CORRECTED READING dBµV/m	SPEC LIMIT dBµV/m	MARGIN DB	NOTES						
67.674	43.4	7.3	-28.1	2.0		24.6	30.0	-5.4	VQ						
67.846	42.7	7.3	-28.1	2.0		23.9	30.0	-6.1	Н						
71.587	44.1	7.0	-28.1	2.1		25.1	30.0	-4.9	VQ						
75.751	42.8	7.1	-28.0	2.2		24.1	30.0	-5.9	HQ						
75.790	45.5	7.1	-28.0	2.2		26.8	30.0	-3.2	VQ						
336.050	34.6	19.7	-27.8	4.5		31.0	37.0	-6.0	Н						

Test Method: CISPR 22 1985 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 PS2 keyboard. The EUT is connected to the host computer. The EUT is continuously sending H's to the host computer and it is being displayed on the monitor (through Wordpad). Num Lock, Caps Lock, and Scroll Lock are all active. Connected to the host computer are a modem, a printer, a PS/2 mouse, and a monitor. Voltage to host computer is 110 VAC 60 Hz. Temperature 25°C, Humidity 42%, Pressure 99kPa.

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	Table 2: Six Highest Conducted Emission Levels														
FREQUENCY MHz	METER READING dBµV	COR Lisn dB	RECTIO	ON FACT	TORS dB	CORRECTED READING dBµV	SPEC LIMIT dBµV	MARGIN dB	NOTES						
0.181496	48.7	0.0				48.7	54.4	-5.7	W						
8.675666	44.0	0.0				44.0	50.0	-6.0	В						
8.763874	43.8	0.0				43.8	50.0	-6.2	W						
9.072602	43.8	0.0				43.8	50.0	-6.2	W						
9.513643	44.2	0.0				44.2	50.0	-5.8	W						
9.668008	43.7	0.0				43.7	50.0	-6.3	В						

Test Method: CISPR 22 1985 Spec Limit: CISPR 22 Class B NOTES: Q = Quasi Peak Reading

A = Average Reading B = Black Lead

W = White Lead

COMMENTS: The EUT is a PS2 keyboard. The EUT is connected to the host computer. The EUT is continuously sending H's to the host computer and it is being displayed on the monitor (through Wordpad). Num Lock, Caps Lock, and Scroll Lock are all active. Connected to the host computer are a modem, a printer, a PS/2 mouse, and a monitor. Voltage to host computer is 110 Vac 60 Hz. Temperature 25°C, Humidity 42%, Pressure 99kPa.

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## TABLE A

# LIST OF TEST EQUIPMENT

Equipment	Manufacturer	Model	Serial Number	Cal Due date
-----------	--------------	-------	---------------	--------------

# **Radiated Emission**

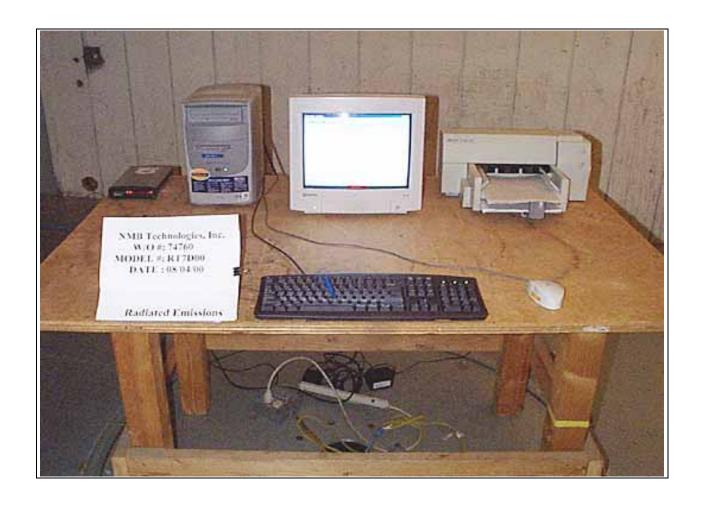
Bicon Antenna	A & H	SAS-200/540	220	100500
Log Periodic Antenna	A & H	SAS-200/526	331	100800
Pre-amp	HP	8447D	1937A02548	030701
Antenna cable	NA	RG214	Cable#1	070301
Pre-amp to SA cable	NA	RG58	Cable#5	070301
Microwave Pre-amp	HP	83017A	3123A00282	030101
1/4" Heliax Coaxial	Andrew	FSJ-50A-4	Cable#7 (6 ft)	071801
Cable				
1/4" Heliax Coaxial	Andrew	FSJ-50A-4	Cable#13 (25ft)	071801
Cable				
1/4" Heliax Coaxial	Andrew	FSJ-50A-4	Cable#14 (60ft)	071801
Cable				
Spectrum Analyzer	HP	8566B	2532A02509	091100
QP Adapter	HP	85680A	3303A01884	091100

# **Conducted Emission**

LISN	Emco	3816/2NM	9809-1090	030801
LISN	Solar	8028-50-TS-24-	Brea #2	100700
		BNC		
Spectrum Analyzer	HP	8566B	2532A02509	091100
QP Adapter	HP	85680A	3303A01884	091100

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## PHOTOGRAPH SHOWING RADIATED EMISSIONS



Radiated Emissions - Front View

NOTES:

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## PHOTOGRAPH SHOWING RADIATED EMISSIONS



Radiated Emissions - Back View

NOTES:

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## PHOTOGRAPH SHOWING CONDUCTED EMISSIONS

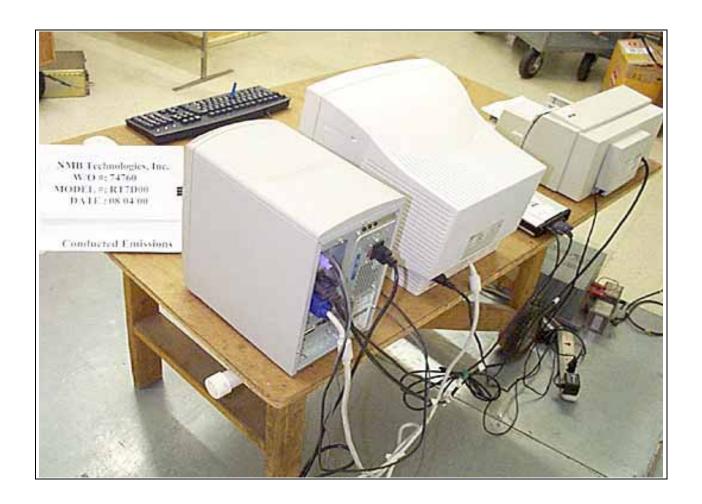


Conducted Emissions - Front View

NOTES:

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## PHOTOGRAPH SHOWING CONDUCTED EMISSIONS



Conducted Emissions - Back View

NOTES:

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# APPENDIX B

MEASUREMENT DATA SHEETS

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Customer: NMB Technologies Inc.
Specification: CISPR 22 B RADIATED

Work Order #: 74670 Date: 08/04/2000
Test Type: Maximized Emissions Time: 20:32:29
Equipment: PS2 Keyboard Sequence#: 1

Manufacturer: NMB Technologies, Inc. Tested By: Stuart Yamamoto

Model: RT7D00 S/N: NA

Equipment Under Test (\* = EUT):

Function	Manufacturer	Model #	S/N
PS2 Keyboard*	NMB Technologies, Inc.	RT7D00	NA

Support Devices:

Function	Manufacturer	Model #	S/N
Printer	HP	C2184A	CN5B21R1DM
Modem	Hayes	6802US	B10068023649
Monitor	Gateway	EV500A	15052D000578
PS/2 Mouse	Microsoft	X03-65047	
Computer	HP	Pavilion	US911132177

#### Test Conditions / Notes:

The EUT is a PS2 keyboard. The EUT is connected to the host computer. The EUT is continuously sending H's to the host computer and it is being displayed on the monitor (through Wordpad). Num Lock, Caps Lock, and Scroll Lock are all active. Connected to the host computer are a modem, a printer, a PS/2 mouse, and a monitor. Voltage to host computer is 110 VAC 60 Hz. Temperature 25°C, Humidity 42%, Pressure 99kPa.

Measu	Teasurement Data: Reading listed by margin.						Test Distance: 10 Meters					
			Cable	Bicon	Log	Pream						
#	Freq	Rdng					Dist	Corr	Spec	Margin	Polar	
	MHz	dΒμV	dB	dB	dB	dB	Table	$dB\mu V/m$	dBμV/m	dB	Ant	
1	75.790M	45.5	+2.2	+7.1	+0.0	-28.0	+0.0	26.8	30.0	-3.2	Vert	
	QP						209		Keyboard		116	
^	75.830M	48.3	+2.2	+7.1	+0.0	-28.0	+0.0	29.6	30.0	-0.4	Vert	
							209		Keyboard		116	
3	733.788M	30.4	+7.2	+0.0	+22.3	-27.3	+0.0	32.6	37.0	-4.4	Horiz	
	QP						207		Non-Keybo	oard	105	
^	733.754M	34.6	+7.2	+0.0	+22.3	-27.3	+0.0	36.8	37.0	-0.2	Horiz	
							207		Non-Keybo	oard	105	
5	71.587M	44.1	+2.1	+7.0	+0.0	-28.1	+0.0	25.1	30.0	-4.9	Vert	
	QP						358		Keyboard		116	
^	71.583M	45.7	+2.1	+7.0	+0.0	-28.1	+0.0	26.7	30.0	-3.3	Vert	
							358		Keyboard		116	
7	67.674M	43.4	+2.0	+7.3	+0.0	-28.1	+0.0	24.6	30.0	-5.4	Vert	
	QP						358		Keyboard		100	
^	67.673M	44.3	+2.0	+7.3	+0.0	-28.1	+0.0	25.5	30.0	-4.5	Vert	
							358		Keyboard		100	

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9	75.751M QP	42.8	+2.2	+7.1	+0.0	-28.0	+0.0 278	24.1	30.0 Keyboard	-5.9	Horiz 290
		12.0	2.2		0.0	20.0		27.2	•	4.0	
^	75.739M	43.9	+2.2	+7.1	+0.0	-28.0	+0.0 278	25.2	30.0 Keyboard	-4.8	Horiz 290
11	336.050M	34.6	+4.5	+0.0	+19.7	-27.8	+0.0	31.0	37.0	-6.0	Horiz
							124				165
12	129.028M	33.6	+2.4	+16.0	+0.0	-28.0	+0.0	24.0	30.0 Non-Keybo	-6.0 ard	Horiz 189
13	67.846M	42.7	+2.0	+7.3	+0.0	-28.1	+0.0	23.9	30.0	-6.1	Horiz
13	07.040IVI	42.7	+2.0	+1.3	+0.0	-20.1	+0.0 71	23.9	30.0	-0.1	270
14	136.382M	32.9	+2.5	+16.4	+0.0	-28.0	+0.0	23.8	30.0	-6.2	Vert
							187				100
15	204.525M	32.5	+3.0	+16.3	+0.0	-28.0	+0.0	23.8	30.0	-6.2	Vert
							168				100
16	233.528M	38.1	+3.4	+17.2	+0.0	-28.0	+0.0	30.7	37.0	-6.3	Vert
	QP	2011			. 0.0	20.0	58	0017	27.0	0.0	100
^	233.520M	40.5	+3.4	+17.2	+0.0	-28.0	+0.0	33.1	37.0	-3.9	Vert
	233.32011	10.5	13.1	117.2	10.0	20.0	58	33.1	37.0	3.7	100
18	233.537M	38.1	+3.4	+17.2	+0.0	-28.0	+0.0	30.7	37.0	-6.3	Horiz
	QP	30.1	13.4	117.2	10.0	-20.0	66	30.7	37.0	-0.5	224
^	233.523M	40.6	+3.4	+17.2	+0.0	-28.0	+0.0	33.2	37.0	-3.8	Horiz
	233.323WI	40.0	⊤J. <b>4</b>	T17.2	+0.0	-20.0	66	33.2	37.0	-5.0	224
20	63.753M	42.2	+1.9	+7.8	+0.0	-28.2		23.7	30.0	-6.3	Vert
20	03.733WI	42.2	+1.9	+7.6	+0.0	-20.2	+0.0	23.1	30.0	-0.5	
21	125 70134	20.7	. 2. 5	.16.4	. 0. 0	20.0	96	22.6	20.0	<i>c</i> 1	100
21	135.781M	32.7	+2.5	+16.4	+0.0	-28.0	+0.0	23.6	30.0	-6.4	Vert
22	224 17 (2) 1	27.0	2.5	17.0	0.0	20.0	74	20.6	27.0		100
22	234.176M	37.9	+3.5	+17.2	+0.0	-28.0	+0.0	30.6	37.0	-6.4	Vert
	QP						58				100
^	234.172M	39.9	+3.5	+17.2	+0.0	-28.0	+0.0	32.6	37.0	-4.4	Vert
							58				100
24	79.641M	42.2	+2.2	+7.1	+0.0	-28.0	+0.0	23.5	30.0	-6.5	Vert
							218				100
25	129.700M	32.9	+2.4	+16.1	+0.0	-28.0	+0.0	23.4	30.0	-6.6	Vert
							361				100
26	336.037M	33.9	+4.5	+0.0	+19.7	-27.8	+0.0	30.3	37.0	-6.7	Vert
							87				277
27	658.629M	29.7	+6.7	+0.0	+21.4	-27.5	+0.0	30.3	37.0	-6.7	Horiz
							105				147
28	80.003M	42.0	+2.2	+7.1	+0.0	-28.0	+0.0	23.3	30.0	-6.7	Vert
							306				102
29	111.210M	35.0	+2.4	+14.0	+0.0	-28.1	+0.0	23.3	30.0	-6.7	Vert
					. 0.0		360	_2	2 3.0	J.,	102
30	125.923M	33.0	+2.3	+15.8	+0.0	-28.0	+0.0	23.1	30.0	-6.9	Vert
		22.0	. 2.3	. 20.0	. 0.0	_0.0	. 3.0		23.0	3.7	100
31	354.775M	34.4	+4.6	+0.0	+18.4	-27.8	+0.0	29.6	37.0	-7.4	Horiz
] ]1	JJT. / / JIVI	J- <b>T.</b> -T	17.0	10.0	110.7	21.0	116	27.0	37.0	7.4	165
							110				105

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32	132.998M	31.9	+2.4	+16.2	+0.0	-28.0	+0.0	22.5	30.0	-7.5	Vert 100
33	198.450M	31.2	+2.9	+16.3	+0.0	-28.0	+0.0 180	22.4	30.0	-7.6	Vert 100
34	62.883M	40.6	+1.9	+8.0	+0.0	-28.2	+0.0	22.3	30.0	-7.7	Vert 110
35	202.866M	31.1	+2.9	+16.3	+0.0	-28.0	+0.0 309	22.3	30.0	-7.7	Vert 104
	121.300M QP	32.3	+2.3	+15.6	+0.0	-28.0	+0.0 309	22.2	30.0	-7.8	Vert 100
٨	121.265M	35.9	+2.3	+15.6	+0.0	-28.0	+0.0 309	25.8	30.0	-4.2	Vert 100
38	71.800M QP	41.0	+2.1	+7.0	+0.0	-28.1	+0.0 50	22.0	30.0	-8.0	Horiz 263
٨	71.804M	43.8	+2.1	+7.0	+0.0	-28.1	+0.0 50	24.8	30.0	-5.2	Horiz 263
40	366.938M	34.4	+4.6	+0.0	+17.6	-27.8	+0.0 146	28.8	37.0	-8.2	Horiz 103
41	332.117M	32.1	+4.4	+0.0	+20.0	-27.8	+0.0 277	28.7	37.0	-8.3	Vert 188
42	62.446M	39.9	+1.9	+8.0	+0.0	-28.2	+0.0	21.6	30.0	-8.4	Vert 101
43	137.709M QP	30.7	+2.5	+16.5	+0.0	-28.1	+0.0 72	21.6	30.0	-8.4	Vert 100
٨	137.736M	33.6	+2.5	+16.5	+0.0	-28.1	+0.0 72	24.5	30.0	-5.5	Vert 100
	334.656M QP	31.8	+4.5	+0.0	+19.8	-27.8	+0.0 73	28.3	37.0	-8.7	Horiz 199
^	334.657M	35.7	+4.5	+0.0	+19.8	-27.8	+0.0 73	32.2	37.0	-4.8	Horiz 199
47	334.578M	31.6	+4.5	+0.0	+19.8	-27.8	+0.0 36	28.1	37.0	-8.9	Vert 145
48	79.751M	39.8	+2.2	+7.1	+0.0	-28.0	+0.0 248	21.1	30.0	-8.9	Horiz 249
49	83.750M	39.0	+2.2	+7.8	+0.0	-28.0	+0.0 134	21.0	30.0	-9.0	Horiz 227
50	59.776M	38.9	+1.8	+8.5	+0.0	-28.2	+0.0 360	21.0	30.0	-9.0	Vert 100
51	624.037M	29.3	+6.4	+0.0	+20.1	-27.9	+0.0	27.9	37.0	-9.1	Horiz 173
52	212.998M	29.1	+3.1	+16.6	+0.0	-27.9	+0.0 97	20.9	30.0	-9.1	Vert 102
	184.304M QP	29.1	+2.8	+16.9	+0.0	-28.0	+0.0 356	20.8	30.0	-9.2	Horiz 231
^	184.342M	32.8	+2.8	+16.9	+0.0	-28.0	+0.0 356	24.5	30.0	-5.5	Horiz 231

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55	63.849M	39.3	+1.9	+7.8	+0.0	-28.2	+0.0	20.8	30.0	-9.2	Horiz
							255				235
56	83.628M	38.8	+2.2	+7.7	+0.0	-28.0	+0.0	20.7	30.0	-9.3	Vert
							358				100
57	140.077M	29.6	+2.5	+16.6	+0.0	-28.1	+0.0	20.6	30.0	-9.4	Vert
							169				102
58	315.335M	29.8	+4.3	+0.0	+21.3	-27.9	+0.0	27.5	37.0	-9.5	Horiz
							27				126
59	320.667M	30.0	+4.3	+0.0	+20.9	-27.9	+0.0	27.3	37.0	-9.7	Horiz
						_,,,	262	_,		,	221
60	194.652M	29.0	+2.9	+16.4	+0.0	-28.0	+0.0	20.3	30.0	-9.7	Vert
	OP		,				151			, , ,	100
٨	194.703M	33.4	+2.9	+16.4	+0.0	-28.0	+0.0	24.7	30.0	-5.3	Vert
							151				100
62	256.179M	33.0	+3.8	+18.2	+0.0	-28.1	+0.0	26.9	37.0	-10.1	Vert
							177				102
63	238.382M	34.0	+3.5	+17.3	+0.0	-28.0	+0.0	26.8	37.0	-10.2	Vert
							114				100
64	323.989M	29.6	+4.3	+0.0	+20.6	-27.9	+0.0	26.6	37.0	-10.4	Horiz
						_,,,	99				201
65	288.899M	29.3	+4.1	+21.1	+0.0	-28.0	+0.0	26.5	37.0	-10.5	Horiz
							76				189
66	236.493M	33.5	+3.5	+17.3	+0.0	-28.0	+0.0	26.3	37.0	-10.7	Vert
							132				101
67	221.768M	27.0	+3.3	+16.8	+0.0	-27.9	+0.0	19.2	30.0	-10.8	Horiz
1	OP					,	164				128
^	221.774M	32.7	+3.3	+16.8	+0.0	-27.9	+0.0	24.9	30.0	-5.1	Horiz
						,	164				128
69	501.017M	30.6	+5.6	+0.0	+17.1	-28.0	+0.0	25.3	37.0	-11.7	Vert
	201.01,111	20.0		. 0.0		_0.0	132	20.0	20	11.7	100
											-00

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Customer: NMB Technologies Inc.
Specification: CISPR22 B COND [AVE]

 Work Order #:
 74670
 Date:
 08/04/2000

 Test Type:
 Conducted Emissions
 Time:
 20:50:29

Equipment: PS2 Keyboard Sequence#: 2
Manufacturer: NMB Technologies, Inc. Tested By: Stuart Yamamoto

Model: RT7D00 S/N: NA

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

Equipment Citate Test (	202)		
Function	Manufacturer	Model #	S/N
PS2 Keyboard*	NMB Technologies, Inc.	RT7D00	NA

Support Devices:

Function	Manufacturer	Model #	S/N
Printer	HP	C2184A	CN5B21R1DM
Modem	Hayes	6802US	B10068023649
Monitor	Gateway	EV500A	15052D000578
PS/2 Mouse	Microsoft	X03-65047	
Computer	HP	Pavilion	US911132177

#### Test Conditions / Notes:

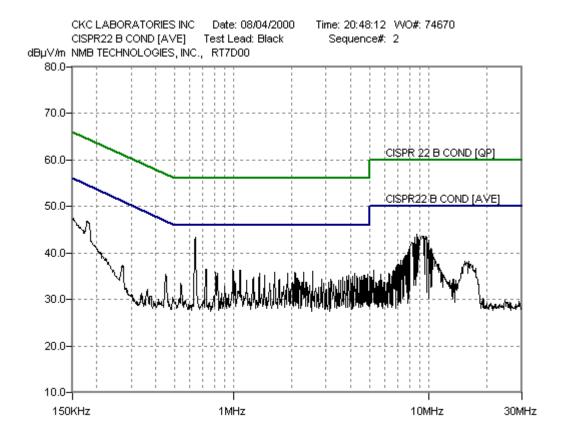
The EUT is a PS2 keyboard. The EUT is connected to the host computer. The EUT is continuously sending H's to the host computer and it is being displayed on the monitor (through Wordpad). Num Lock, Caps Lock, and Scroll Lock are all active. Connected to the host computer are a modem, a printer, a PS/2 mouse, and a monitor. Voltage to host computer is 110 VAC 60 Hz. Temperature 25°C, Humidity 42%, Pressure 99kPa.

Measu	Measurement Data:			isted by n	nargin.	. Test Lead: Black					
#	Freq MHz	Rdng	dB	dB	dB	dB	Dist Table	Corr	Spec	Margin dB	Polar Ant
1	641.928k	dBμV 43.4	ub	ub	ub	uБ	+0.0	dBμV/m 43.4	dBμV/m 46.0	-2.6	Black
1	041.928K	43.4					+0.0		Ambient A Station		DIACK
2	8.676M	44.0					+0.0	44.0	50.0	-6.0	Black
3	9.668M	43.7					+0.0	43.7	50.0	-6.3	Black
4	9.514M	43.7					+0.0	43.7	50.0	-6.3	Black
5	9.227M	43.6					+0.0	43.6	50.0	-6.4	Black
6	8.499M	43.4					+0.0	43.4	50.0	-6.6	Black
7	9.866M	43.3					+0.0	43.3	50.0	-6.7	Black
8	8.852M	43.3					+0.0	43.3	50.0	-6.7	Black

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9	8.940M	43.0		+0.0	43.0	50.0	-7.0	Black
10	10.043M	42.7		+0.0	42.7	50.0	-7.3	Black
11	8.764M	42.7		+0.0	42.7	50.0	-7.3	Black
12	8.213M	42.4		+0.0	42.4	50.0	-7.6	Black
13	179.838k	46.9		+0.0	46.9	54.5	-7.6	Black
14	8.411M	42.0		+0.0	42.0	50.0	-8.0	Black
15	8.587M	41.8		+0.0	41.8	50.0	-8.2	Black

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Customer: NMB Technologies Inc.
Specification: CISPR22 B COND [AVE]

Work Order #: 74670 Date: 08/04/2000
Test Type: Conducted Emissions
Equipment: PS2 Keyboard Sequence#: 3

Manufacturer: NMB Technologies, Inc. Tested By: Stuart Yamamoto

Model: RT7D00 S/N: NA

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

Equipment Citates Test (	202)		
Function	Manufacturer	Model #	S/N
PS2 Keyboard*	NMB Technologies, Inc.	RT7D00	NA

Support Devices:

Function	Manufacturer	Model #	S/N
Printer	HP	C2184A	CN5B21R1DM
Modem	Hayes	6802US	B10068023649
Monitor	Gateway	EV500A	15052D000578
PS/2 Mouse	Microsoft	X03-65047	
Computer	HP	Pavilion	US911132177

#### Test Conditions / Notes:

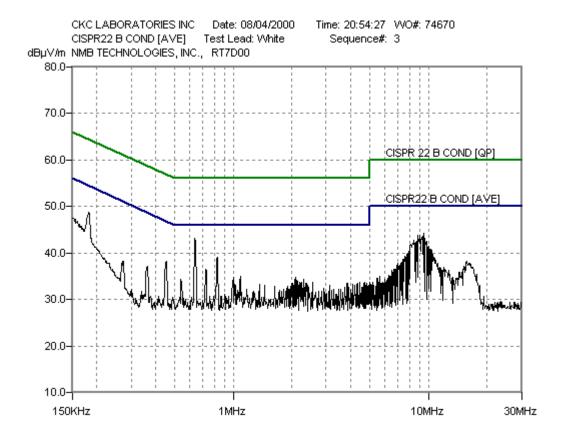
The EUT is a PS2 keyboard. The EUT is connected to the host computer. The EUT is continuously sending H's to the host computer and it is being displayed on the monitor (through Wordpad). Num Lock, Caps Lock, and Scroll Lock are all active. Connected to the host computer are a modem, a printer, a PS/2 mouse, and a monitor. Voltage to host computer is 110 VAC 60 Hz. Temperature 25°C, Humidity 42%, Pressure 99kPa.

Measur	ement Data:	Re	Reading listed by margin.				Test Lead: White				
#	Freq	Rdng	ID.	ID	ID	1D	Dist	Corr	Spec	Margin	Polar
	MHz	dBμV	dB	dB	dB	dB	Table	dBμV/m	dBμV/m	dB	Ant
1	638.811k	43.1					+0.0	43.1	46.0	-2.9	White
									Ambient A	M Radio	
									Station		
2	181.496k	48.7					+0.0	48.7	54.4	-5.7	White
3	9.514M	44.2					+0.0	44.2	50.0	-5.8	White
4	9.073M	43.8					+0.0	43.8	50.0	-6.2	White
5	8.764M	43.8					+0.0	43.8	50.0	-6.2	White
6	9.425M	43.5					+0.0	43.5	50.0	-6.5	White
7	8.852M	43.4					+0.0	43.4	50.0	-6.6	White
8	9.227M	43.3	•				+0.0	43.3	50.0	-6.7	White

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9	9.602M	43.1	+	0.0	43.1	50.0	-6.9	White
10	832.072k	39.1	+	0.0	39.1	46.0	-6.9	White
11	8.477M	42.7	+	0.0	42.7	50.0	-7.3	White
12	9.778M	42.6	+	0.0	42.6	50.0	-7.4	White
13	8.676M	42.6	+	0.0	42.6	50.0	-7.4	White
14	8.587M	42.3	+	0.0	42.3	50.0	-7.7	White
15	9.866M	41.7	+	0.0	41.7	50.0	-8.3	White
15	9.866M	41.7	+	0.0	41.7	50.0	-8.3	White

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