

TDK CORPORATION QUALITY ASSURANCE DEPARTMENT 2-15-7 HIGASHI-OWADA , ICHIKAWA-SHI CHIBA 272 , JAPAN

TDK EMC CENTER CHIKUMAGAWA OPEN SITE REPORT OF MEASUREMENTS ON DIGITAL DEVICE

Date: April 27,1999

Issued in : Saku-city, JAPAN

TDK APPLICATION No.: TDC-99-0405(1)

2. Factory:

3-1. Category:

3-2. FCC ID No. :

3-3. Trade Name:

3-4. Model No. :

3-5. Serial No.:

3-6. Power Supply:

3-7. Date of Manufacture :4. Regulation Applied :

6. Sampling Procedure:

7. Place of Measurement:

8. Date of Measurement:

9. Measurement Results:

10. Deviation from the Standard:

laboratory.

5. Measurement Procedure Used:

3. Description of Equipment:

1. Applicant: TOSHIBA CORPORATION

Digital Media Equipment & Services Company, Administration Group

Yanagicho Operations-Digital Media Equipment

70 Yanagicho ,Saiwai-Ku ,Kawasaki-Shi ,210-8501 ,Japan

Toshiba Multi Media Devices Co., Ltd.

037-0003 ,Japan

CD-ROM FCC Class B Digital Device

CJ6AT99-041 TOSHIBA

2S2-003

April 1999

ANSI C63.4 - 1992

TOSHIBA XM-6602B

DC power for the EUT was controlled by the personal computer (Model: Manufaccturer: DELL COMPUTER)

FCC Rules and Regulations Part 15 Subpart B

19 ,Aza-Minase ,Oaza-Fukihata ,Goshogawara-Shi ,Aomori-Ken

Random sampling extracted from 100 units

TDK EMC CENTER CHIKUMAGAWA OPEN SITE

April 24 ,1999

described test condition as shown in the attaached sheets.

The test results show that EUT conform to FCC Class B regulations on the

The test is not deviated from the Standard.

Note: (1) The test results relate only to items tested.

(2) This report shall not be reproduced except in full without the written approval of testing

(3) The report must not be used by the client to claim product endoresement by NVLAP or any agency of the U.S. Government.

(4) The test results are traceable to the national or international standard.

Akira Bandoh
Senior Manager of TDK EMC CENTER

TDK Application No.: TDC-99-0405(1) Applicant : TOSHIBA CORPORATION Standard: FCC 15, B Model No. : XM-6602B FCC ID : CJ6AT99-041 **EUT's Test Arrangement** 115V/60Hz 115V/60Hz 115V/60Hz E ► W U M D C EUT

		G X		S I	O P F
No.	Device	Test Co	onfiguration FCC ID	S/N	Manufacturer
				27.2.1	ATAMELOGA DO DESA WA
	CD-ROM Drive	XM-6602B	CJ6AT99-041	000 000	TOSHIBA CORPRATI

TFW3P

12741-93H-7450

1321D-H041P-39

63618-OEM-

2586347-00000

LZB74558261

VU13B3XD

VU13B3T3

GYUR43SK

A3KM076

B94C2164X

C3KKMP5

DZLM04

LKD5

LKD5

DELL COMPUTER

DELL COMPUTER

DELL COMPUTER

HEWLETT PACKARD

TOSHIBA CORPRATION

SG71L1B0VC | HEWLETT PACKARD

MICROSOFT

LOGITECH

Connectix

Connectix

Personal Computer

Key Board

Printer

CRT Display

AC Adapter

Mouse(1)

Mouse(2)

Head Phone

CCD CAMERA(1)

CCD CAMERA(2)

A

B

C

D

E

F

G

Η

Ι

J

MMS

M770

C4608A

C2178A

Compatible

M-CQ38

LKD5

LKD5

SK-1000REW

intelli Mouse 1.1A PS/2

TDK Application No Applicant	: TOSHIBA CORPORATION	Standard: FCC 15, B
Model No.	: XM-6602B	FCC ID : CJ6AT99-041
Summary of	Test Results	
The tests were po	erformed in accordance with the pr	rocedures described in ANSI C63.4-1992
		ment of FCC Rules Part 15 Subpart B
	109 as shown in the test date on pa	•
	•	
		Test Result
(1) Radiatied Em		Passed
	rgin relative to the Limits :	3.0 dB at 498.970MHz
Measurement	Uncertainty :	\pm 4dB
	bed on page 4 in the EUT operation Tested by:	
		OK Chikumagawa Open Site
		Total Davids
(1) AC Down I i	no Conducted Emission Tost	Test Result
*, *	ne Conducted Emission Test: rgin relative to the Limits:	Passed
Measurement		14.3 dB at 0.4700MHz ± 2dB
ivicasurement		± 2¢B
Note: The m	easurement was performed at the	olug end of AC power line cord of the EUT
		on the Test Procedure of AC Power Line Con-
ducted	Emission on page 8.	
	2 .	4
	Tested by: Runihi	
	Test Engineer of TD	OK Chikumagawa Open Site

TDK Applio Mode		TDC-99-0405 TOSHIBA CC XM-6602B	` '			Standard FCC ID	1 : FCC 15 , B : CJ6AT99-041	
viouc	1110.	AW-0002B	Connecti	on Cable	S	rec ib	. CJUA199-041	
				T				
No.	I/F & Pov	ver Cable	Model No.	Cable L	ength	Feraite Core	Manufacturer	
M	CRT Cable			1.8	m	2	DELL COMPUTER	
N	Printer Cable			1.9	m			
0	Keyboard Cable			1.9	m	1	DELL COMPUTER	
P	Mouse (1) Cable	e		1.8	m		MICROSOFT	
Q	Mouse (2) Cable	e		2.1	m		Logitech	
R	CCD CAMERA	Cable (1)	Well told with State 2000.	1.8	m		Connectix	
S	CCD CAMERA	Cable (2)		1.8	m		Connectix	
T	Power Cable (A	C 120V,60Hz)		2.3	m		DELL COMPUTER	
U	Power Cable (A	C 120V,60Hz)		2.0	m		DELL COMPUTER	
V	Power Cable (D	C 30V)		1.8	m		HEWLETT PACKARD	
W	Power Cable (A	C 120V,60Hz)		0.9	m		HEWLETT PACKARD	
X	Head Phone Cable			1.5	m		TOSHIBA CORPORATIO	
No.	I/F Cables' sh	nield and com		Grounding			Connection	
11	CDT C.11	☑ Braid	☐ 360°metal b			F CD7	CD 1 1 D 1 G	
M	CRT Cable	☐ Foil	Drain wire			From CR1 port	of Device A to Device C	
N	Parallel	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From parallel po	rt of Device A to Device D	
0	Keyboard	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From keyboard p	port of Device A to Device B	
P	PS/2 Mouse	☑ Braid ☐ Foil	☑ 360°metal backshell		From mouse por	t of Device A to Device F		
Q	RS232C	☑ Braid	☑ 360°metal b	ackshell		From RS232C p	ort of Device A to Device G	
R	USB(1)	☐ Foil ☑ Braid	☐ Drain wire ☐ 360°metal b	ackshell		From USB(1) po	ort of Device A to Device H	
		☐ Foil	☐ Drain wire					
S	USB(2)	☑ Braid	☑ 360°metal b	ackshell		From USB(1) port of Device A to Device I		

TDK Applio Mode		TDC-99-0405 TOSHIBA CC XM-6602B	` '			Standard FCC ID	1 : FCC 15 , B : CJ6AT99-041	
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No.	I/F & Pov	ver Cable	Model No.	Cable L	ength	Feraite Core	Manufacturer	
M	CRT Cable			1.8	m	2	DELL COMPUTER	
N	Printer Cable			1.9	m			
0	Keyboard Cable			1.9	m	1	DELL COMPUTER	
P	Mouse (1) Cable	e		1.8	m		MICROSOFT	
Q	Mouse (2) Cable	e		2.1	m		Logitech	
R	CCD CAMERA	Cable (1)	Well told with State 2000.	1.8	m		Connectix	
S	CCD CAMERA	Cable (2)		1.8	m		Connectix	
T	Power Cable (A	C 120V,60Hz)		2.3	m		DELL COMPUTER	
U	Power Cable (A	C 120V,60Hz)		2.0	m		DELL COMPUTER	
V	Power Cable (D	C 30V)		1.8	m		HEWLETT PACKARD	
W	Power Cable (A	C 120V,60Hz)		0.9	m		HEWLETT PACKARD	
X	Head Phone Cable			1.5	m		TOSHIBA CORPORATIO	
No.	I/F Cables' sh	nield and com		Grounding			Connection	
11	CDT C.11	☑ Braid	☐ 360°metal b			F CD7	CD 1 1 D 1 G	
M	CRT Cable	☐ Foil	Drain wire			From CR1 port	of Device A to Device C	
N	Parallel	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From parallel po	rt of Device A to Device D	
0	Keyboard	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From keyboard p	port of Device A to Device B	
P	PS/2 Mouse	☑ Braid ☐ Foil	☑ 360°metal backshell		From mouse por	t of Device A to Device F		
Q	RS232C	☑ Braid	☑ 360°metal b	ackshell		From RS232C p	ort of Device A to Device G	
R	USB(1)	☐ Foil ☑ Braid	☐ Drain wire ☐ 360°metal b	ackshell		From USB(1) po	ort of Device A to Device H	
		☐ Foil	☐ Drain wire					
S	USB(2)	☑ Braid	☑ 360°metal b	ackshell		From USB(1) port of Device A to Device I		

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No.	I/F & Pov	ver Cable	Model No.	Cable L	ength	Feraite Core	Manufacturer	
M	CRT Cable			1.8	m	2	DELL COMPUTER	
N	Printer Cable			1.9	m			
0	Keyboard Cable			1.9	m	1	DELL COMPUTER	
P	Mouse (1) Cable	e		1.8	m		MICROSOFT	
Q	Mouse (2) Cable	e		2.1	m		Logitech	
R	CCD CAMERA	Cable (1)	Well told with State 2000.	1.8	m		Connectix	
S	CCD CAMERA	Cable (2)		1.8	m		Connectix	
T	Power Cable (A	C 120V,60Hz)		2.3	m		DELL COMPUTER	
U	Power Cable (A	C 120V,60Hz)		2.0	m		DELL COMPUTER	
V	Power Cable (D	C 30V)		1.8	m		HEWLETT PACKARD	
W	Power Cable (A	C 120V,60Hz)		0.9	m		HEWLETT PACKARD	
X	Head Phone Cable			1.5	m		TOSHIBA CORPORATIO	
No.	I/F Cables' sh	nield and com		Grounding			Connection	
11	CDT C.11	☑ Braid	☐ 360°metal b			F CD7	CD 1 1 D 1 G	
M	CRT Cable	☐ Foil	Drain wire			From CR1 port	of Device A to Device C	
N	Parallel	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From parallel po	rt of Device A to Device D	
0	Keyboard	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From keyboard p	port of Device A to Device B	
P	PS/2 Mouse	☑ Braid ☐ Foil	☑ 360°metal backshell		From mouse por	t of Device A to Device F		
Q	RS232C	☑ Braid	☑ 360°metal b	ackshell		From RS232C p	ort of Device A to Device G	
R	USB(1)	☐ Foil ☑ Braid	☐ Drain wire ☐ 360°metal b	ackshell		From USB(1) po	ort of Device A to Device H	
		☐ Foil	☐ Drain wire					
S	USB(2)	☑ Braid	☑ 360°metal b	ackshell		From USB(1) port of Device A to Device I		

TDK Applio Mode		TDC-99-0405 TOSHIBA CC XM-6602B	` '			Standard FCC ID	1 : FCC 15 , B : CJ6AT99-041	
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No.	I/F & Pov	ver Cable	Model No.	Cable L	ength	Feraite Core	Manufacturer	
M	CRT Cable			1.8	m	2	DELL COMPUTER	
N	Printer Cable			1.9	m			
0	Keyboard Cable			1.9	m	1	DELL COMPUTER	
P	Mouse (1) Cable	e		1.8	m		MICROSOFT	
Q	Mouse (2) Cable	e		2.1	m		Logitech	
R	CCD CAMERA	Cable (1)	Well told with State 2000.	1.8	m		Connectix	
S	CCD CAMERA	Cable (2)		1.8	m		Connectix	
T	Power Cable (A	C 120V,60Hz)		2.3	m		DELL COMPUTER	
U	Power Cable (A	C 120V,60Hz)		2.0	m		DELL COMPUTER	
V	Power Cable (D	C 30V)		1.8	m		HEWLETT PACKARD	
W	Power Cable (A	C 120V,60Hz)		0.9	m		HEWLETT PACKARD	
X	Head Phone Cable			1.5	m		TOSHIBA CORPORATIO	
No.	I/F Cables' sh	nield and com		Grounding			Connection	
11	CDT C.11	☑ Braid	☐ 360°metal b			E CD.	CD 1 1 D 1 G	
M	CRT Cable	☐ Foil	Drain wire			From CR1 port	of Device A to Device C	
N	Parallel	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From parallel po	rt of Device A to Device D	
0	Keyboard	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From keyboard p	port of Device A to Device B	
P	PS/2 Mouse	☑ Braid ☐ Foil	☑ 360°metal backshell		From mouse por	t of Device A to Device F		
Q	RS232C	☑ Braid	☑ 360°metal b	ackshell		From RS232C p	ort of Device A to Device G	
R	USB(1)	☐ Foil ☑ Braid	☐ Drain wire ☐ 360°metal b	ackshell		From USB(1) po	ort of Device A to Device H	
		☐ Foil	☐ Drain wire					
S	USB(2)	☑ Braid	☑ 360°metal b	ackshell		From USB(1) port of Device A to Device I		

TDK Applio Mode		TDC-99-0405 TOSHIBA CC XM-6602B	` '			Standard FCC ID	1 : FCC 15 , B : CJ6AT99-041	
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No.	I/F & Pov	ver Cable	Model No.	Cable L	ength	Feraite Core	Manufacturer	
M	CRT Cable			1.8	m	2	DELL COMPUTER	
N	Printer Cable			1.9	m			
0	Keyboard Cable			1.9	m	1	DELL COMPUTER	
P	Mouse (1) Cable	e		1.8	m		MICROSOFT	
Q	Mouse (2) Cable	e		2.1	m		Logitech	
R	CCD CAMERA	Cable (1)	Well told with State 2000.	1.8	m		Connectix	
S	CCD CAMERA	Cable (2)		1.8	m		Connectix	
T	Power Cable (A	C 120V,60Hz)		2.3	m		DELL COMPUTER	
U	Power Cable (A	C 120V,60Hz)		2.0	m		DELL COMPUTER	
V	Power Cable (D	C 30V)		1.8	m		HEWLETT PACKARD	
W	Power Cable (A	C 120V,60Hz)		0.9	m		HEWLETT PACKARD	
X	Head Phone Cable			1.5	m		TOSHIBA CORPORATIO	
No.	I/F Cables' sh	nield and com		Grounding			Connection	
11	CDT C.11	☑ Braid	☐ 360°metal b			F CD7	CD 1 1 D 1 G	
M	CRT Cable	☐ Foil	Drain wire			From CR1 port	of Device A to Device C	
N	Parallel	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From parallel po	rt of Device A to Device D	
0	Keyboard	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From keyboard p	port of Device A to Device B	
P	PS/2 Mouse	☑ Braid ☐ Foil	☑ 360°metal backshell		From mouse por	t of Device A to Device F		
Q	RS232C	☑ Braid	☑ 360°metal b	ackshell		From RS232C p	ort of Device A to Device G	
R	USB(1)	☐ Foil ☑ Braid	☐ Drain wire ☐ 360°metal b	ackshell		From USB(1) po	ort of Device A to Device H	
		☐ Foil	☐ Drain wire					
S	USB(2)	☑ Braid	☑ 360°metal b	ackshell		From USB(1) port of Device A to Device I		

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P	Mouse (1) Cable	e		1.8	m		MICROSOFT	
Q	Mouse (2) Cable	e		2.1	m		Logitech	
R	CCD CAMERA	Cable (1)	Well told with State 2000.	1.8	m		Connectix	
S	CCD CAMERA	Cable (2)		1.8	m		Connectix	
T	Power Cable (A	C 120V,60Hz)		2.3	m		DELL COMPUTER	
U	Power Cable (A	C 120V,60Hz)		2.0	m		DELL COMPUTER	
V	Power Cable (D	C 30V)		1.8	m		HEWLETT PACKARD	
W	Power Cable (A	C 120V,60Hz)		0.9	m		HEWLETT PACKARD	
X	Head Phone Cable			1.5	m		TOSHIBA CORPORATIO	
No.	I/F Cables' sh	nield and com		Grounding			Connection	
11	CDT C.11	☑ Braid	☐ 360°metal b			E CD.	CD 1 1 D 1 G	
M	CRT Cable	☐ Foil	Drain wire			From CR1 port	of Device A to Device C	
N	Parallel	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From parallel po	rt of Device A to Device D	
0	Keyboard	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From keyboard p	port of Device A to Device B	
P	PS/2 Mouse	☑ Braid ☐ Foil	☑ 360°metal backshell		From mouse por	t of Device A to Device F		
Q	RS232C	☑ Braid	☑ 360°metal b	ackshell		From RS232C p	ort of Device A to Device G	
R	USB(1)	☐ Foil ☑ Braid	☐ Drain wire ☐ 360°metal b	ackshell		From USB(1) po	ort of Device A to Device H	
		☐ Foil	☐ Drain wire					
S	USB(2)	☑ Braid	☑ 360°metal b	ackshell		From USB(1) port of Device A to Device I		

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No.	I/F & Pov	ver Cable	Model No.	Cable L	ength	Feraite Core	Manufacturer	
M	CRT Cable			1.8	m	2	DELL COMPUTER	
N	Printer Cable			1.9	m			
0	Keyboard Cable			1.9	m	1	DELL COMPUTER	
P	Mouse (1) Cable	e		1.8	m		MICROSOFT	
Q	Mouse (2) Cable	e		2.1	m		Logitech	
R	CCD CAMERA	Cable (1)	Well told with State 2000.	1.8	m		Connectix	
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X	Head Phone Cable			1.5	m		TOSHIBA CORPORATIO	
No.	I/F Cables' sh	nield and com		Grounding			Connection	
11	CDT C.11	☑ Braid	☐ 360°metal b			E CD.	CD 1 1 D 1 G	
M	CRT Cable	☐ Foil	Drain wire			From CR1 port	of Device A to Device C	
N	Parallel	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From parallel po	rt of Device A to Device D	
0	Keyboard	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From keyboard p	port of Device A to Device B	
P	PS/2 Mouse	☑ Braid ☐ Foil	☑ 360°metal backshell		From mouse por	t of Device A to Device F		
Q	RS232C	☑ Braid	☑ 360°metal b	ackshell		From RS232C p	ort of Device A to Device G	
R	USB(1)	☐ Foil ☑ Braid	☐ Drain wire ☐ 360°metal b	ackshell		From USB(1) po	ort of Device A to Device H	
		☐ Foil	☐ Drain wire					
S	USB(2)	☑ Braid	☑ 360°metal b	ackshell		From USB(1) port of Device A to Device I		

TDK Applio Mode		TDC-99-0405 TOSHIBA CC XM-6602B	` '			Standard FCC ID	1 : FCC 15 , B : CJ6AT99-041	
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X	Head Phone Cable			1.5	m		TOSHIBA CORPORATIO	
No.	I/F Cables' sh	nield and com		Grounding			Connection	
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P	PS/2 Mouse	☑ Braid ☐ Foil	☑ 360°metal backshell		From mouse por	t of Device A to Device F		
Q	RS232C	☑ Braid	☑ 360°metal b	ackshell		From RS232C p	ort of Device A to Device G	
R	USB(1)	☐ Foil ☑ Braid	☐ Drain wire ☐ 360°metal b	ackshell		From USB(1) po	ort of Device A to Device H	
		☐ Foil	☐ Drain wire					
S	USB(2)	☑ Braid	☑ 360°metal b	ackshell		From USB(1) port of Device A to Device I		

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N	Printer Cable			1.9	m			
0	Keyboard Cable			1.9	m	1	DELL COMPUTER	
P	Mouse (1) Cable	e		1.8	m		MICROSOFT	
Q	Mouse (2) Cable	e		2.1	m		Logitech	
R	CCD CAMERA	Cable (1)	Well told with State 2000.	1.8	m		Connectix	
S	CCD CAMERA	Cable (2)		1.8	m		Connectix	
T	Power Cable (A	C 120V,60Hz)		2.3	m		DELL COMPUTER	
U	Power Cable (A	C 120V,60Hz)		2.0	m		DELL COMPUTER	
V	Power Cable (D	C 30V)		1.8	m		HEWLETT PACKARD	
W	Power Cable (A	C 120V,60Hz)		0.9	m		HEWLETT PACKARD	
X	Head Phone Cable			1.5	m		TOSHIBA CORPORATIO	
No.	I/F Cables' sh	nield and com		Grounding			Connection	
11	CDT C.11	☑ Braid	☐ 360°metal b			E CD.	CD 1 1 D 1 G	
M	CRT Cable	☐ Foil	Drain wire			From CR1 port	of Device A to Device C	
N	Parallel	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From parallel po	rt of Device A to Device D	
0	Keyboard	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From keyboard p	port of Device A to Device B	
P	PS/2 Mouse	☑ Braid ☐ Foil	☑ 360°metal backshell		From mouse por	t of Device A to Device F		
Q	RS232C	☑ Braid	☑ 360°metal b	ackshell		From RS232C p	ort of Device A to Device G	
R	USB(1)	☐ Foil ☑ Braid	☐ Drain wire ☐ 360°metal b	ackshell		From USB(1) po	ort of Device A to Device H	
		☐ Foil	☐ Drain wire					
S	USB(2)	☑ Braid	☑ 360°metal b	ackshell		From USB(1) port of Device A to Device I		

TDK Applio Mode		TDC-99-0405 TOSHIBA CC XM-6602B	` '			Standard FCC ID	1 : FCC 15 , B : CJ6AT99-041	
viouc	1110.	AW-0002B	Connecti	on Cable	S	rec ib	. CJUA199-041	
				T				
No.	I/F & Pov	ver Cable	Model No.	Cable L	ength	Feraite Core	Manufacturer	
M	CRT Cable			1.8	m	2	DELL COMPUTER	
N	Printer Cable			1.9	m			
0	Keyboard Cable			1.9	m	1	DELL COMPUTER	
P	Mouse (1) Cable	e		1.8	m		MICROSOFT	
Q	Mouse (2) Cable	e		2.1	m		Logitech	
R	CCD CAMERA	Cable (1)	Well told with State 2000.	1.8	m		Connectix	
S	CCD CAMERA	Cable (2)		1.8	m		Connectix	
T	Power Cable (A	C 120V,60Hz)		2.3	m		DELL COMPUTER	
U	Power Cable (A	C 120V,60Hz)		2.0	m		DELL COMPUTER	
V	Power Cable (D	C 30V)		1.8	m		HEWLETT PACKARD	
W	Power Cable (A	C 120V,60Hz)		0.9	m		HEWLETT PACKARD	
X	Head Phone Cable			1.5	m		TOSHIBA CORPORATIO	
No.	I/F Cables' sh	nield and com		Grounding			Connection	
11	CDT C.11	☑ Braid	☐ 360°metal b			E CD.	CD 1 1 D 1 G	
M	CRT Cable	☐ Foil	Drain wire			From CR1 port	of Device A to Device C	
N	Parallel	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From parallel po	rt of Device A to Device D	
0	Keyboard	☑ Braid ☐ Foil	☑ 360°metal b	ackshell		From keyboard p	port of Device A to Device B	
P	PS/2 Mouse	☑ Braid ☐ Foil	☑ 360°metal backshell		From mouse por	t of Device A to Device F		
Q	RS232C	☑ Braid	☑ 360°metal b	ackshell		From RS232C p	ort of Device A to Device G	
R	USB(1)	☐ Foil ☑ Braid	☐ Drain wire ☐ 360°metal b	ackshell		From USB(1) po	ort of Device A to Device H	
		☐ Foil	☐ Drain wire					
S	USB(2)	☑ Braid	☑ 360°metal b	ackshell		From USB(1) port of Device A to Device I		

For each mode of operation required to be tested, the frequency spectrum was monitored. Antenna height, EUT azimuth, antenna polarization, and cable or wire placement were varied for exploration to produce the maximized emission relative to the limit. Antenna height was varied from 1m to 4m step by step with 1m step, and the EUT on the turntable was rotated in 360°at each antenna height to detect maximized radiated emission while monitorring spectrum analyzer. The frequency and amplitude of the suspect signals (or the heighest 10 to 20 amplitudes and frequencies) were recorded. At the frequency of suspect signal, interface cables positions were varied in order to determine the maximum emission level.

Furthermore, the EUT was rotated 360°and antenna height was varied to maximize the suspected highest amplitude signal.

In case that the EUT has multiple ports all of the same type, additional connecting

cables were added to the EUT to determine the effect these cables have on emission from the EUT. The additional cables were added to the condition where the addition of another cables did not significantly affect the emission level, i. e., varied less than 2dB provided

Based on the preliminary radiated measurements, the one EUT configuration, cable

or wire configuration, and mode of operation that produced the highest emission level

The final test was performed and the frequency and amplitude of the suspect signals (or

the highest 10 to 20 amplitudes and frequencies) were measured with CISPR QP mode and

Preliminary radiated measurements were performed at the measurement distance

The EUT was set up in its typical configuration and operated in its various modes in

specified for compliance to determine the emission characteristics of the EUT based on

order. For tabletop systems, cables or wires were manipulated within the range of likely

Standard: FCC 15, B

FCC ID : CJ6AT99-041

TDK Application No.

configulations.

recorded.

Applicant

Model No.

: TDC-99-0405(1)

: XM-6602B

Test Procedure of Radiated Emission:

ANSI C63.4-1992 Sec. 8. 3. 1. 1.

that the emission level remained compliant.

relative to limit was selected for the final test.

: TOSHIBA CORPORATION

SHEET J OI 14 SHEET

TDK Application No. : TDC-99-0405(1)

Applicant : TOSHIBA CORPORATION
Model No. : XM-6602B

: TOSHIBA CORPORATION Standard : FCC 15 , B : XM-6602B FCC ID : CJ6AT99-041

MEASUREMENT RESULTS OF RADIATED RADIO NOISE at 3m

Date : April 24,1999 Temp.: 15 °C; Humi.: 62 %

; Type : Desk Top

Rohde & Schwarz ESVP

Operation Mode: Detector function: CISPR Quasi-Peak

6dB Band width: 120kHz External Attenuator: none

Description of Equipment : CD-ROM

Model No. : XM-6602B

Test Receiver:

Note:

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT: Refer to sheet No.2,3 and 12.

2) EUT Grounding : None.
 3) Operating Condition : Running with the program prepared by the appricant.

(1) CD-ROM Drive (EUT): Random Data Read. (2) Color Computer Display: Displayed the "H" Characters.

(3) Printer: Printing the "H" Characters.

Eraguanari Caraction Motor I

Frequency	Crrection	Meter Reading at 3m		Limit	Emission I	Margin		
	Factor	$(dB \mu V)$	//m)		$(dB \mu)$	V/m)		
(MHz)	(dB)	Hori.	Ver.	(dB μ V/m)	Hori.	Ver.	(dB)	
30.000	20.0		29.5	40.0		29.5	10.5	
52.300	11.9	19.8	26.1	40.0	19.8	26.1	13.9	
66.900	8.2		28.1	40.0		28.1	11.9	
88.400	9.8		27.6	43.5		27.6	15.9	
109.350	13.7		28.4	43.5		28.4	15.1	
112.300	14.1	30.8		43.5	30.8		12.7	
124.200	15.6	32.0	29.3	43.5	32.0	29.3	11.5	
133.200	16.3		28.3	43.5		28.3	15.2	
180.090	18.7	35.4		43.5	35.4		8.1	
181.740	18.8		25.1	43.5		25.1	18.4	
192.090	19.3	35.1		43.5	35.1		8.4	
339.190	20.7	32.6	32.1	46.0	32.6	32.1	13.4	
498.970	24.0	42.6	43.0	46.0	42.6	43.0	3.0	
610.540	26.6		35.4	46.0		35.4	10.6	
							-	

1) Meter Readings include Correction Factor (Antenna factor, Cable loss).

2) Sample of calculation at 30.000 MHz:

Calculation of Margin: (40.0-29.5)dB = 10.5dB

Remarks: 1) Emission level was measurd at the worst case condition.

The test data include the estimated uncertainty of MAX.4dB in case. of Radiated Emission measurement.

Tested by: Junihiko Oci

TDK Application No. : TDC-99-0405(1) Applicant : TOSHIBA CORPORATION Standard : FCC 15, B sheet 6 of 14 sheets Model No. : XM-6602B FCC ID : CJ6AT99-041 1000 788 RADIATED 3m 120V/60Hz April 24,1999 1 BBBMHz 0-500 2 М FCC 15B CLASS 30 EUT: XM-6602B 0 300 Frequency: 188 FREQUENCY [MHz] 0 LIMIT [dBuV/m] 20 TDK EMC CENTER EMISSION LEVEL 0 0 23 38 100 20 40 80 88 0

TDK Application No. : TDC-99-0405(1) Applicant : TOSHIBA CORPORATION Standard: FCC 15, B Model No. : XM-6602B FCC ID : CJ6AT99-041 EUT's Test Arrangement of Radiation Fig 1 Non matallic (F. R. P.) Dome (W $8.0m \times D 6.3m \times H 5.5m$) Glass fiber Antenna pole - 3m -Receiving Antenna Schwarzbeck **BBA9106** UHALP9107 UP BBHA9120-B DOWN $0 \sim 360^{\circ}$ $1 \sim 4m$ Coaxial Cable → Peripherals EUT ← Wooden table $(W 1.5m \times D 1.0m \times H 0.8m)$ Metal turn table Ground Plane AC Power Cable (Metal or 1/4inch Hardware Cross) Spectrum Analyzer System HEWLETT PACKARD 8568S or 8567S Test Receiver Rohde & Schwarz ESVP or ESMI

TDK Application No.

: TDC-99-0405(1)

Applicant Model No. : TOSHIBA CORPORATION

: XM-6602B

Standard: FCC 15, B FCC ID : CJ6AT99-041

MEASUREMENT RESULTS OF CONDUCTED RADIO NOISE

Date

: April 24,1999

Temp.: 18 °C; Humi.: 62 %

Test Receiver:

Rohde & Schwarz ESH-3

Operation Mode:

Detector function: CISPR Quasi-Peak

6dB Band width: 10kHz

External Attenuator: none

Description of Equipment: CD-ROM

Model No.:

XM-6602B

; Type : Desk Top

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT: Refer to sheet No.2,3 and 13.

2) EUT Grounding:

None.

3) Operating Condition: Running with the program prepared by the appricant.

(1) CD-ROM Drive (EUT): Random Data Read. (2) Color Computer Display: Displayed the "H" Characters.

(3) Printer · Printing the "H" Characters

Frequency	Crrection Meter Reading Factor (dB μ V)		Limit	Emission Level (dB μ V)		Margin	
(MHz)	(dB)	Va	Vb	(dB μ V)	Va	Vb	(dB)
0.4700		33.6	31.3	47.9	33.6	31.3	14.3
0.7100	_	31.4	31.3	47.9	31.4	31.3	16.5
1.0100	_	22.8	20.1	47.9	22.8	20.1	25.1
2.0700	_	22.3	22.5	47.9	22.3	22.5	25.4
3.0800	_	29.8	30.0	47.9	29.8	30.0	17.9
3.9600	_	26.2	26.9	47.9	26.2	26.9	21.0
8.9900	_	25.4	25.6	47.9	25.4	25.6	22.3
18.9100	_	28.0	27.9	47.9	28.0	27.9	19.9

Note:

1) Correction Factor include LISN Factor and cable loss for 7 meters. Meter Readings include Correction Factor.

2) Sample of calculation at 0.4700 MHz:

Calculation of Margin: (47.9-33.6)dB = 14.3dB

Remarks:

- 1) Emission level was measurd at the worst case condition.
- 2) The test data include the estimated uncertainty of 2dB in case.

of Conducted Emission measurement.

Tested by: Herilika Go

TDK Application No. : TDC-99-0405(1) 11 : TOSHIBA CORPORATION Standard Applicant : FCC 15, B sheet 10 of 14 sheets Model No. : XM-6602B FCC ID : CJ6AT99-041 30 120V/60Hz O CONDUCTED 3 BMHz 0 O 24. 2 Apr 1 1 m Frequency: 0.45 0 CLASS EUT: XM-6602B 15B [MHz] FCC FREQUENCY 0 [dBuV] TDK EMC CENTER EMISSION LEVEL 0 00 88 60 40 20 0

TDK Application No. : TDC-99-0405(1)

Applicant : TOSHIBA CORPORATION Model No.

Standard: FCC 15, B : XM-6602B FCC ID : CJ6AT99-041

EUT's Test Arrangement of Conduction

Fig 2

Compact AnechoicChamber (W 3.0m ×D 7.0m ×H 3.0m) Vertical Metal Wall $(2m \times 2m)$ 40cm Peripherals AC Power EUT Wooden table → 80cm $(W 1.5m \times D 1.0m \times H 0.8m)$ 40cm Two Floor Metal Plate **LISNs** Coaxial Cable → Shielded Power Cable to Line Filter Spectrum Analyzer System HEWLETT PACKARD 8568S or 8567S Test Receiver Rohde & Schwarz

ESH-3

TDK Appli Mode	cant : TOSHI	9-0405(1) BA CORPORA 02B	TION	Standard: FCC 15, B FCC ID: CJ6AT99-041							
	MEASURING INSTRUMENT USED										
TDK	APPLICATION No. :	TDC-99-040	5(1)								
00	Instrument Spectrum Analyzer RF-Preselector	Model No. 8568B 85685A	Manufacturer Hewlett-Packard Hewlett-Packard	ID No. 2445A00924 2648A00481	<u>Last Calibration Date</u> Mar. 1999 Apr. 1998	Period 1 year 1 year					
	Field Strength Meter Field Strength Meter Field Strength Meter	ESVP ESH-3 ESMI	Rohde & Schwarz Rohde & Schwarz Rohde & Schwarz	879529/016 872079/020 61360008	Apr. 1999 Apr. 1999	1 year 1 year 1 year					
	Pre - Amplifier	8447D	Hewlett-Packard	2443A04539	Mar. 1999	1 year					
	Biconical Antenna Log-Periodic Antenna Dipole Antenna Dipole Antenna	BBA9106 UHALP9107 VHA9103 UHA9105	Schwarzbeck Schwarzbeck Schwarzbeck Schwarzbeck	D-6901 No.2 424/517 D-6901 No.3 29-14066	Jun. 1998 Jun. 1998 Mar. 1998 Mar. 1998	1 year 1 year 1 year 1 year					
	LISN (50 μ H/50 Ω) LISN (50 μ H/50 Ω) LISN (50 μ H/50 Ω) LISN (50 μ H/50 Ω)	KNW-407 KNW-407 KNW-408 ESH2-Z5	Kyoritsu Electrical Works Kyoritsu Electrical Works Kyoritsu Electrical Works Rohde & Schwarz	s 8-823-10	Apr. 1999 Apr. 1999 Apr. 1999 Apr. 1998	1 year 1 year 1 year 1 year					
Ø	Open Test Site	TCO-10	TDK Corporattion	GD-0043-5	Oct. 1998	1 year					
	Co-axial Cable Co-axial Cable Co-axial Cable Co-axial Cable Co-axial Cable Co-axial Cable	AK9513 8D-2V 8D-2V 8D-2V 8D-2V 5D-2W	Schwarzbeck Shinagawa Densen Shinagawa Densen Shinagawa Densen Shinagawa Densen Shinagawa Densen	N-C007 N-C012 N-C013 N-C014 N-C016 N-C017	May. 1998 May. 1998 May. 1998 May. 1998 May. 1998 May. 1998	1 year 1 year 1 year 1 year 1 year 1 year					
Z	RF Switch (EMI Interface)	MP59B	Anritsu	N-C025	May. 1998	1 year					

For each mode of operation required to be tested, the frequency spectrum was monitored. Antenna height, EUT azimuth, antenna polarization, and cable or wire placement were varied for exploration to produce the maximized emission relative to the limit. Antenna height was varied from 1m to 4m step by step with 1m step, and the EUT on the turntable was rotated in 360°at each antenna height to detect maximized radiated emission while monitorring spectrum analyzer. The frequency and amplitude of the suspect signals (or the heighest 10 to 20 amplitudes and frequencies) were recorded. At the frequency of suspect signal, interface cables positions were varied in order to determine the maximum emission level.

Furthermore, the EUT was rotated 360°and antenna height was varied to maximize the suspected highest amplitude signal.

In case that the EUT has multiple ports all of the same type, additional connecting

cables were added to the EUT to determine the effect these cables have on emission from the EUT. The additional cables were added to the condition where the addition of another cables did not significantly affect the emission level, i. e., varied less than 2dB provided

Based on the preliminary radiated measurements, the one EUT configuration, cable

or wire configuration, and mode of operation that produced the highest emission level

The final test was performed and the frequency and amplitude of the suspect signals (or

the highest 10 to 20 amplitudes and frequencies) were measured with CISPR QP mode and

Preliminary radiated measurements were performed at the measurement distance

The EUT was set up in its typical configuration and operated in its various modes in

specified for compliance to determine the emission characteristics of the EUT based on

order. For tabletop systems, cables or wires were manipulated within the range of likely

Standard: FCC 15, B

FCC ID : CJ6AT99-041

TDK Application No.

configulations.

recorded.

Applicant

Model No.

: TDC-99-0405(1)

: XM-6602B

Test Procedure of Radiated Emission:

ANSI C63.4-1992 Sec. 8. 3. 1. 1.

that the emission level remained compliant.

relative to limit was selected for the final test.

: TOSHIBA CORPORATION

SHEET J OI 14 SHEET

TDK Application No. : TDC-99-0405(1)

Applicant : TOSHIBA CORPORATION
Model No. : XM-6602B

: TOSHIBA CORPORATION Standard : FCC 15 , B : XM-6602B FCC ID : CJ6AT99-041

MEASUREMENT RESULTS OF RADIATED RADIO NOISE at 3m

Date : April 24,1999 Temp.: 15 °C; Humi.: 62 %

; Type : Desk Top

Rohde & Schwarz ESVP

Operation Mode: Detector function: CISPR Quasi-Peak

6dB Band width: 120kHz External Attenuator: none

Description of Equipment : CD-ROM

Model No. : XM-6602B

Test Receiver:

Note:

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT: Refer to sheet No.2,3 and 12.

2) EUT Grounding : None.
 3) Operating Condition : Running with the program prepared by the appricant.

(1) CD-ROM Drive (EUT): Random Data Read. (2) Color Computer Display: Displayed the "H" Characters.

(3) Printer: Printing the "H" Characters.

Eraguanari Caraction Motor I

Frequency	Crrection	Meter Reading at 3m		Limit	Emission I	Margin		
	Factor	$(dB \mu V)$	//m)		$(dB \mu)$	V/m)		
(MHz)	(dB)	Hori.	Ver.	(dB μ V/m)	Hori.	Ver.	(dB)	
30.000	20.0		29.5	40.0		29.5	10.5	
52.300	11.9	19.8	26.1	40.0	19.8	26.1	13.9	
66.900	8.2		28.1	40.0		28.1	11.9	
88.400	9.8		27.6	43.5		27.6	15.9	
109.350	13.7		28.4	43.5		28.4	15.1	
112.300	14.1	30.8		43.5	30.8		12.7	
124.200	15.6	32.0	29.3	43.5	32.0	29.3	11.5	
133.200	16.3		28.3	43.5		28.3	15.2	
180.090	18.7	35.4		43.5	35.4		8.1	
181.740	18.8		25.1	43.5		25.1	18.4	
192.090	19.3	35.1		43.5	35.1		8.4	
339.190	20.7	32.6	32.1	46.0	32.6	32.1	13.4	
498.970	24.0	42.6	43.0	46.0	42.6	43.0	3.0	
610.540	26.6		35.4	46.0		35.4	10.6	
							-	

1) Meter Readings include Correction Factor (Antenna factor, Cable loss).

2) Sample of calculation at 30.000 MHz:

Calculation of Margin: (40.0-29.5)dB = 10.5dB

Remarks: 1) Emission level was measurd at the worst case condition.

The test data include the estimated uncertainty of MAX.4dB in case. of Radiated Emission measurement.

Tested by: Junihiko Oci

TDK Application No. : TDC-99-0405(1) Applicant : TOSHIBA CORPORATION Standard : FCC 15, B sheet 6 of 14 sheets Model No. : XM-6602B FCC ID : CJ6AT99-041 1000 788 RADIATED 3m 120V/60Hz April 24,1999 1 BBBMHz 0-500 2 М FCC 15B CLASS 30 EUT: XM-6602B 0 300 Frequency: 188 FREQUENCY [MHz] 0 LIMIT [dBuV/m] 20 TDK EMC CENTER EMISSION LEVEL 0 0 23 38 100 20 40 80 88 0

TDK Application No. : TDC-99-0405(1) Applicant : TOSHIBA CORPORATION Standard: FCC 15, B Model No. : XM-6602B FCC ID : CJ6AT99-041 EUT's Test Arrangement of Radiation Fig 1 Non matallic (F. R. P.) Dome (W $8.0m \times D 6.3m \times H 5.5m$) Glass fiber Antenna pole - 3m -Receiving Antenna Schwarzbeck **BBA9106** UHALP9107 UP BBHA9120-B DOWN $0 \sim 360^{\circ}$ $1 \sim 4m$ Coaxial Cable → Peripherals EUT ← Wooden table $(W 1.5m \times D 1.0m \times H 0.8m)$ Metal turn table Ground Plane AC Power Cable (Metal or 1/4inch Hardware Cross) Spectrum Analyzer System HEWLETT PACKARD 8568S or 8567S Test Receiver Rohde & Schwarz ESVP or ESMI

TDK Application No.

: TDC-99-0405(1)

Applicant Model No. : TOSHIBA CORPORATION

: XM-6602B

Standard: FCC 15, B FCC ID : CJ6AT99-041

MEASUREMENT RESULTS OF CONDUCTED RADIO NOISE

Date

: April 24,1999

Temp.: 18 °C; Humi.: 62 %

Test Receiver:

Rohde & Schwarz ESH-3

Operation Mode:

Detector function: CISPR Quasi-Peak

6dB Band width: 10kHz

External Attenuator: none

Description of Equipment: CD-ROM

Model No.:

XM-6602B

; Type : Desk Top

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT: Refer to sheet No.2,3 and 13.

2) EUT Grounding:

None.

3) Operating Condition: Running with the program prepared by the appricant.

(1) CD-ROM Drive (EUT): Random Data Read. (2) Color Computer Display: Displayed the "H" Characters.

(3) Printer · Printing the "H" Characters

Frequency	Crrection Meter Reading Factor (dB μ V)		Limit	Emission Level (dB μ V)		Margin	
(MHz)	(dB)	Va	Vb	(dB μ V)	Va	Vb	(dB)
0.4700		33.6	31.3	47.9	33.6	31.3	14.3
0.7100	_	31.4	31.3	47.9	31.4	31.3	16.5
1.0100	_	22.8	20.1	47.9	22.8	20.1	25.1
2.0700	_	22.3	22.5	47.9	22.3	22.5	25.4
3.0800	_	29.8	30.0	47.9	29.8	30.0	17.9
3.9600	_	26.2	26.9	47.9	26.2	26.9	21.0
8.9900	_	25.4	25.6	47.9	25.4	25.6	22.3
18.9100	_	28.0	27.9	47.9	28.0	27.9	19.9

Note:

1) Correction Factor include LISN Factor and cable loss for 7 meters. Meter Readings include Correction Factor.

2) Sample of calculation at 0.4700 MHz:

Calculation of Margin: (47.9-33.6)dB = 14.3dB

Remarks:

- 1) Emission level was measurd at the worst case condition.
- 2) The test data include the estimated uncertainty of 2dB in case.

of Conducted Emission measurement.

Tested by: Herilika Go

TDK Application No. : TDC-99-0405(1) 11 : TOSHIBA CORPORATION Standard Applicant : FCC 15, B sheet 10 of 14 sheets Model No. : XM-6602B FCC ID : CJ6AT99-041 30 120V/60Hz O CONDUCTED 3 BMHz 0 O 24. 2 Apr 1 1 m Frequency: 0.45 0 CLASS EUT: XM-6602B 15B [MHz] FCC FREQUENCY 0 [dBuV] TDK EMC CENTER EMISSION LEVEL 0 00 88 60 40 20 0

TDK Application No. : TDC-99-0405(1)

Applicant : TOSHIBA CORPORATION Model No.

Standard: FCC 15, B : XM-6602B FCC ID : CJ6AT99-041

EUT's Test Arrangement of Conduction

Fig 2

Compact AnechoicChamber (W 3.0m ×D 7.0m ×H 3.0m) Vertical Metal Wall $(2m \times 2m)$ 40cm Peripherals AC Power EUT Wooden table → 80cm $(W 1.5m \times D 1.0m \times H 0.8m)$ 40cm Two Floor Metal Plate **LISNs** Coaxial Cable → Shielded Power Cable to Line Filter Spectrum Analyzer System HEWLETT PACKARD 8568S or 8567S Test Receiver Rohde & Schwarz

ESH-3

For each mode of operation required to be tested, the frequency spectrum was monitored. Antenna height, EUT azimuth, antenna polarization, and cable or wire placement were varied for exploration to produce the maximized emission relative to the limit. Antenna height was varied from 1m to 4m step by step with 1m step, and the EUT on the turntable was rotated in 360°at each antenna height to detect maximized radiated emission while monitorring spectrum analyzer. The frequency and amplitude of the suspect signals (or the heighest 10 to 20 amplitudes and frequencies) were recorded. At the frequency of suspect signal, interface cables positions were varied in order to determine the maximum emission level.

Furthermore, the EUT was rotated 360°and antenna height was varied to maximize the suspected highest amplitude signal.

In case that the EUT has multiple ports all of the same type, additional connecting

cables were added to the EUT to determine the effect these cables have on emission from the EUT. The additional cables were added to the condition where the addition of another cables did not significantly affect the emission level, i. e., varied less than 2dB provided

Based on the preliminary radiated measurements, the one EUT configuration, cable

or wire configuration, and mode of operation that produced the highest emission level

The final test was performed and the frequency and amplitude of the suspect signals (or

the highest 10 to 20 amplitudes and frequencies) were measured with CISPR QP mode and

Preliminary radiated measurements were performed at the measurement distance

The EUT was set up in its typical configuration and operated in its various modes in

specified for compliance to determine the emission characteristics of the EUT based on

order. For tabletop systems, cables or wires were manipulated within the range of likely

Standard: FCC 15, B

FCC ID : CJ6AT99-041

TDK Application No.

configulations.

recorded.

Applicant

Model No.

: TDC-99-0405(1)

: XM-6602B

Test Procedure of Radiated Emission:

ANSI C63.4-1992 Sec. 8. 3. 1. 1.

that the emission level remained compliant.

relative to limit was selected for the final test.

: TOSHIBA CORPORATION

SHEET J OI 14 SHEET

TDK Application No. : TDC-99-0405(1)

Applicant : TOSHIBA CORPORATION
Model No. : XM-6602B

: TOSHIBA CORPORATION Standard : FCC 15 , B : XM-6602B FCC ID : CJ6AT99-041

MEASUREMENT RESULTS OF RADIATED RADIO NOISE at 3m

Date : April 24,1999 Temp.: 15 °C; Humi.: 62 %

; Type : Desk Top

Rohde & Schwarz ESVP

Operation Mode: Detector function: CISPR Quasi-Peak

6dB Band width: 120kHz External Attenuator: none

Description of Equipment : CD-ROM

Model No. : XM-6602B

Test Receiver:

Note:

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT: Refer to sheet No.2,3 and 12.

2) EUT Grounding : None.
 3) Operating Condition : Running with the program prepared by the appricant.

(1) CD-ROM Drive (EUT): Random Data Read. (2) Color Computer Display: Displayed the "H" Characters.

(3) Printer: Printing the "H" Characters.

Eraguanari Caraction Motor I

Frequency	Crrection	Meter Reading at 3m		Limit	Emission I	Margin		
	Factor	$(dB \mu V)$	//m)		$(dB \mu)$	V/m)		
(MHz)	(dB)	Hori.	Ver.	(dB μ V/m)	Hori.	Ver.	(dB)	
30.000	20.0		29.5	40.0		29.5	10.5	
52.300	11.9	19.8	26.1	40.0	19.8	26.1	13.9	
66.900	8.2		28.1	40.0		28.1	11.9	
88.400	9.8		27.6	43.5		27.6	15.9	
109.350	13.7		28.4	43.5		28.4	15.1	
112.300	14.1	30.8		43.5	30.8		12.7	
124.200	15.6	32.0	29.3	43.5	32.0	29.3	11.5	
133.200	16.3		28.3	43.5		28.3	15.2	
180.090	18.7	35.4		43.5	35.4		8.1	
181.740	18.8		25.1	43.5		25.1	18.4	
192.090	19.3	35.1		43.5	35.1		8.4	
339.190	20.7	32.6	32.1	46.0	32.6	32.1	13.4	
498.970	24.0	42.6	43.0	46.0	42.6	43.0	3.0	
610.540	26.6		35.4	46.0		35.4	10.6	
							-	

1) Meter Readings include Correction Factor (Antenna factor, Cable loss).

2) Sample of calculation at 30.000 MHz:

Calculation of Margin: (40.0-29.5)dB = 10.5dB

Remarks: 1) Emission level was measurd at the worst case condition.

The test data include the estimated uncertainty of MAX.4dB in case. of Radiated Emission measurement.

Tested by: Junihiko Oci

TDK Application No. : TDC-99-0405(1) Applicant : TOSHIBA CORPORATION Standard : FCC 15, B sheet 6 of 14 sheets Model No. : XM-6602B FCC ID : CJ6AT99-041 1000 788 RADIATED 3m 120V/60Hz April 24,1999 1 BBBMHz 0-500 2 М FCC 15B CLASS 30 EUT: XM-6602B 0 300 Frequency: 188 FREQUENCY [MHz] 0 LIMIT [dBuV/m] 20 TDK EMC CENTER EMISSION LEVEL 0 0 23 38 100 20 40 80 88 0

TDK Application No. : TDC-99-0405(1) Applicant : TOSHIBA CORPORATION Standard: FCC 15, B Model No. : XM-6602B FCC ID : CJ6AT99-041 EUT's Test Arrangement of Radiation Fig 1 Non matallic (F. R. P.) Dome (W $8.0m \times D 6.3m \times H 5.5m$) Glass fiber Antenna pole - 3m -Receiving Antenna Schwarzbeck **BBA9106** UHALP9107 UP BBHA9120-B DOWN $0 \sim 360^{\circ}$ $1 \sim 4m$ Coaxial Cable → Peripherals EUT ← Wooden table $(W 1.5m \times D 1.0m \times H 0.8m)$ Metal turn table Ground Plane AC Power Cable (Metal or 1/4inch Hardware Cross) Spectrum Analyzer System HEWLETT PACKARD 8568S or 8567S Test Receiver Rohde & Schwarz ESVP or ESMI

TDK Application No.

: TDC-99-0405(1)

Applicant Model No. : TOSHIBA CORPORATION

: XM-6602B

Standard: FCC 15, B FCC ID : CJ6AT99-041

MEASUREMENT RESULTS OF CONDUCTED RADIO NOISE

Date

: April 24,1999

Temp.: 18 °C; Humi.: 62 %

Test Receiver:

Rohde & Schwarz ESH-3

Operation Mode:

Detector function: CISPR Quasi-Peak

6dB Band width: 10kHz

External Attenuator: none

Description of Equipment: CD-ROM

Model No.:

XM-6602B

; Type : Desk Top

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT: Refer to sheet No.2,3 and 13.

2) EUT Grounding:

None.

3) Operating Condition: Running with the program prepared by the appricant.

(1) CD-ROM Drive (EUT): Random Data Read. (2) Color Computer Display: Displayed the "H" Characters.

(3) Printer · Printing the "H" Characters

Frequency	Crrection Meter Reading Factor (dB μ V)		Limit	Emission Level (dB μ V)		Margin	
(MHz)	(dB)	Va	Vb	(dB μ V)	Va	Vb	(dB)
0.4700		33.6	31.3	47.9	33.6	31.3	14.3
0.7100	_	31.4	31.3	47.9	31.4	31.3	16.5
1.0100	_	22.8	20.1	47.9	22.8	20.1	25.1
2.0700	_	22.3	22.5	47.9	22.3	22.5	25.4
3.0800	_	29.8	30.0	47.9	29.8	30.0	17.9
3.9600	_	26.2	26.9	47.9	26.2	26.9	21.0
8.9900	_	25.4	25.6	47.9	25.4	25.6	22.3
18.9100	_	28.0	27.9	47.9	28.0	27.9	19.9

Note:

1) Correction Factor include LISN Factor and cable loss for 7 meters. Meter Readings include Correction Factor.

2) Sample of calculation at 0.4700 MHz:

Calculation of Margin: (47.9-33.6)dB = 14.3dB

Remarks:

- 1) Emission level was measurd at the worst case condition.
- 2) The test data include the estimated uncertainty of 2dB in case.

of Conducted Emission measurement.

Tested by: Herilika Go

TDK Application No. : TDC-99-0405(1) 11 : TOSHIBA CORPORATION Standard Applicant : FCC 15, B sheet 10 of 14 sheets Model No. : XM-6602B FCC ID : CJ6AT99-041 30 120V/60Hz O CONDUCTED 3 BMHz 0 O 24. 2 Apr 1 1 m Frequency: 0.45 0 CLASS EUT: XM-6602B 15B [MHz] FCC FREQUENCY 0 [dBuV] TDK EMC CENTER EMISSION LEVEL 0 00 88 60 40 20 0

For each mode of operation required to be tested, the frequency spectrum was monitored. Antenna height, EUT azimuth, antenna polarization, and cable or wire placement were varied for exploration to produce the maximized emission relative to the limit. Antenna height was varied from 1m to 4m step by step with 1m step, and the EUT on the turntable was rotated in 360°at each antenna height to detect maximized radiated emission while monitorring spectrum analyzer. The frequency and amplitude of the suspect signals (or the heighest 10 to 20 amplitudes and frequencies) were recorded. At the frequency of suspect signal, interface cables positions were varied in order to determine the maximum emission level.

Furthermore, the EUT was rotated 360°and antenna height was varied to maximize the suspected highest amplitude signal.

In case that the EUT has multiple ports all of the same type, additional connecting

cables were added to the EUT to determine the effect these cables have on emission from the EUT. The additional cables were added to the condition where the addition of another cables did not significantly affect the emission level, i. e., varied less than 2dB provided

Based on the preliminary radiated measurements, the one EUT configuration, cable

or wire configuration, and mode of operation that produced the highest emission level

The final test was performed and the frequency and amplitude of the suspect signals (or

the highest 10 to 20 amplitudes and frequencies) were measured with CISPR QP mode and

Preliminary radiated measurements were performed at the measurement distance

The EUT was set up in its typical configuration and operated in its various modes in

specified for compliance to determine the emission characteristics of the EUT based on

order. For tabletop systems, cables or wires were manipulated within the range of likely

Standard: FCC 15, B

FCC ID : CJ6AT99-041

TDK Application No.

configulations.

recorded.

Applicant

Model No.

: TDC-99-0405(1)

: XM-6602B

Test Procedure of Radiated Emission:

ANSI C63.4-1992 Sec. 8. 3. 1. 1.

that the emission level remained compliant.

relative to limit was selected for the final test.

: TOSHIBA CORPORATION

SHEET J OI 14 SHEET

TDK Application No. : TDC-99-0405(1)

Applicant : TOSHIBA CORPORATION
Model No. : XM-6602B

: TOSHIBA CORPORATION Standard : FCC 15 , B : XM-6602B FCC ID : CJ6AT99-041

MEASUREMENT RESULTS OF RADIATED RADIO NOISE at 3m

Date : April 24,1999 Temp.: 15 °C; Humi.: 62 %

; Type : Desk Top

Rohde & Schwarz ESVP

Operation Mode: Detector function: CISPR Quasi-Peak

6dB Band width: 120kHz External Attenuator: none

Description of Equipment : CD-ROM

Model No. : XM-6602B

Test Receiver:

Note:

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT: Refer to sheet No.2,3 and 12.

2) EUT Grounding : None.
 3) Operating Condition : Running with the program prepared by the appricant.

(1) CD-ROM Drive (EUT): Random Data Read. (2) Color Computer Display: Displayed the "H" Characters.

(3) Printer: Printing the "H" Characters.

Eraguanari Caraction Motor I

Frequency	Crrection	Meter Reading at 3m		Limit	Emission I	Margin		
	Factor	$(dB \mu V)$	//m)		$(dB \mu)$	V/m)		
(MHz)	(dB)	Hori.	Ver.	(dB μ V/m)	Hori.	Ver.	(dB)	
30.000	20.0		29.5	40.0		29.5	10.5	
52.300	11.9	19.8	26.1	40.0	19.8	26.1	13.9	
66.900	8.2		28.1	40.0		28.1	11.9	
88.400	9.8		27.6	43.5		27.6	15.9	
109.350	13.7		28.4	43.5		28.4	15.1	
112.300	14.1	30.8		43.5	30.8		12.7	
124.200	15.6	32.0	29.3	43.5	32.0	29.3	11.5	
133.200	16.3		28.3	43.5		28.3	15.2	
180.090	18.7	35.4		43.5	35.4		8.1	
181.740	18.8		25.1	43.5		25.1	18.4	
192.090	19.3	35.1		43.5	35.1		8.4	
339.190	20.7	32.6	32.1	46.0	32.6	32.1	13.4	
498.970	24.0	42.6	43.0	46.0	42.6	43.0	3.0	
610.540	26.6		35.4	46.0		35.4	10.6	
							-	

1) Meter Readings include Correction Factor (Antenna factor, Cable loss).

2) Sample of calculation at 30.000 MHz:

Calculation of Margin: (40.0-29.5)dB = 10.5dB

Remarks: 1) Emission level was measurd at the worst case condition.

The test data include the estimated uncertainty of MAX.4dB in case. of Radiated Emission measurement.

Tested by: Junihiko Oci

TDK Application No. : TDC-99-0405(1) Applicant : TOSHIBA CORPORATION Standard: FCC 15, B Model No. : XM-6602B FCC ID : CJ6AT99-041 EUT's Test Arrangement of Radiation Fig 1 Non matallic (F. R. P.) Dome (W $8.0m \times D 6.3m \times H 5.5m$) Glass fiber Antenna pole - 3m -Receiving Antenna Schwarzbeck **BBA9106** UHALP9107 UP BBHA9120-B DOWN $0 \sim 360^{\circ}$ $1 \sim 4m$ Coaxial Cable → Peripherals EUT ← Wooden table $(W 1.5m \times D 1.0m \times H 0.8m)$ Metal turn table Ground Plane AC Power Cable (Metal or 1/4inch Hardware Cross) Spectrum Analyzer System HEWLETT PACKARD 8568S or 8567S Test Receiver Rohde & Schwarz ESVP or ESMI

TDK Application No.

: TDC-99-0405(1)

Applicant Model No. : TOSHIBA CORPORATION

: XM-6602B

Standard: FCC 15, B FCC ID : CJ6AT99-041

MEASUREMENT RESULTS OF CONDUCTED RADIO NOISE

Date

: April 24,1999

Temp.: 18 °C; Humi.: 62 %

Test Receiver:

Rohde & Schwarz ESH-3

Operation Mode:

Detector function: CISPR Quasi-Peak

6dB Band width: 10kHz

External Attenuator: none

Description of Equipment: CD-ROM

Model No.:

XM-6602B

; Type : Desk Top

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT: Refer to sheet No.2,3 and 13.

2) EUT Grounding:

None.

3) Operating Condition: Running with the program prepared by the appricant.

(1) CD-ROM Drive (EUT): Random Data Read. (2) Color Computer Display: Displayed the "H" Characters.

(3) Printer · Printing the "H" Characters

Frequency	Crrection Factor	Meter Reading (dB μ V)		Limit	Emission Level (dB μ V)		Margin
(MHz)	(dB)	Va	Vb	(dB μ V)	Va	Vb	(dB)
0.4700		33.6	31.3	47.9	33.6	31.3	14.3
0.7100	_	31.4	31.3	47.9	31.4	31.3	16.5
1.0100	_	22.8	20.1	47.9	22.8	20.1	25.1
2.0700	_	22.3	22.5	47.9	22.3	22.5	25.4
3.0800	_	29.8	30.0	47.9	29.8	30.0	17.9
3.9600	_	26.2	26.9	47.9	26.2	26.9	21.0
8.9900	_	25.4	25.6	47.9	25.4	25.6	22.3
18.9100	_	28.0	27.9	47.9	28.0	27.9	19.9

Note:

1) Correction Factor include LISN Factor and cable loss for 7 meters. Meter Readings include Correction Factor.

2) Sample of calculation at 0.4700 MHz:

Calculation of Margin: (47.9-33.6)dB = 14.3dB

Remarks:

- 1) Emission level was measurd at the worst case condition.
- 2) The test data include the estimated uncertainty of 2dB in case.

of Conducted Emission measurement.

Tested by: Herilika Go

cables were added to the EUT to determine the effect these cables have on emission from the EUT. The additional cables were added to the condition where the addition of another cables did not significantly affect the emission level, i. e., varied less than 2dB provided

Based on the preliminary radiated measurements, the one EUT configuration, cable

or wire configuration, and mode of operation that produced the highest emission level

The final test was performed and the frequency and amplitude of the suspect signals (or

the highest 10 to 20 amplitudes and frequencies) were measured with CISPR QP mode and

Preliminary radiated measurements were performed at the measurement distance

The EUT was set up in its typical configuration and operated in its various modes in

specified for compliance to determine the emission characteristics of the EUT based on

order. For tabletop systems, cables or wires were manipulated within the range of likely

Standard: FCC 15, B

FCC ID : CJ6AT99-041

TDK Application No.

configulations.

recorded.

Applicant

Model No.

: TDC-99-0405(1)

: XM-6602B

Test Procedure of Radiated Emission:

ANSI C63.4-1992 Sec. 8. 3. 1. 1.

that the emission level remained compliant.

relative to limit was selected for the final test.

TDK Application No. : TDC-99-0405(1)

Applicant : TOSHIBA CORPORATION
Model No. : XM-6602B

: TOSHIBA CORPORATION Standard : FCC 15 , B : XM-6602B FCC ID : CJ6AT99-041

MEASUREMENT RESULTS OF RADIATED RADIO NOISE at 3m

Date : April 24,1999 Temp.: 15 °C; Humi.: 62 %

; Type : Desk Top

Rohde & Schwarz ESVP

Operation Mode: Detector function: CISPR Quasi-Peak

6dB Band width: 120kHz External Attenuator: none

Description of Equipment : CD-ROM

Model No. : XM-6602B

Test Receiver:

Note:

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT: Refer to sheet No.2,3 and 12.

2) EUT Grounding : None.
 3) Operating Condition : Running with the program prepared by the appricant.

(1) CD-ROM Drive (EUT): Random Data Read. (2) Color Computer Display: Displayed the "H" Characters.

(3) Printer: Printing the "H" Characters.

Eraguanari Compation Mater I

Frequency	Crrection	Meter Reading at 3m		Limit	Emission Level at 3m		Margin
	Factor	$(dB \mu V/m)$			$(dB \mu V/m)$		
(MHz)	(dB)	Hori.	Ver.	(dB μ V/m)	Hori.	Ver.	(dB)
30.000	20.0		29.5	40.0		29.5	10.5
52.300	11.9	19.8	26.1	40.0	19.8	26.1	13.9
66.900	8.2		28.1	40.0		28.1	11.9
88.400	9.8		27.6	43.5		27.6	15.9
109.350	13.7		28.4	43.5		28.4	15.1
112.300	14.1	30.8		43.5	30.8		12.7
124.200	15.6	32.0	29.3	43.5	32.0	29.3	11.5
133.200	16.3		28.3	43.5		28.3	15.2
180.090	18.7	35.4		43.5	35.4		8.1
181.740	18.8		25.1	43.5		25.1	18.4
192.090	19.3	35.1		43.5	35.1		8.4
339.190	20.7	32.6	32.1	46.0	32.6	32.1	13.4
498.970	24.0	42.6	43.0	46.0	42.6	43.0	3.0
610.540	26.6		35.4	46.0		35.4	10.6

1) Meter Readings include Correction Factor (Antenna factor, Cable loss).

2) Sample of calculation at 30.000 MHz:

Calculation of Margin: (40.0-29.5)dB = 10.5dB

Remarks: 1) Emission level was measurd at the worst case condition.

The test data include the estimated uncertainty of MAX.4dB in case. of Radiated Emission measurement.

TDK Application No. : TDC-99-0405(1) Applicant : TOSHIBA CORPORATION Standard: FCC 15, B Model No. : XM-6602B FCC ID : CJ6AT99-041 EUT's Test Arrangement of Radiation Fig 1 Non matallic (F. R. P.) Dome (W $8.0m \times D 6.3m \times H 5.5m$) Glass fiber Antenna pole - 3m -Receiving Antenna Schwarzbeck **BBA9106** UHALP9107 UP BBHA9120-B DOWN $0 \sim 360^{\circ}$ $1 \sim 4m$ Coaxial Cable → Peripherals EUT ← Wooden table $(W 1.5m \times D 1.0m \times H 0.8m)$ Metal turn table Ground Plane AC Power Cable (Metal or 1/4inch Hardware Cross) Spectrum Analyzer System HEWLETT PACKARD 8568S or 8567S Test Receiver Rohde & Schwarz ESVP or ESMI

cables were added to the EUT to determine the effect these cables have on emission from the EUT. The additional cables were added to the condition where the addition of another cables did not significantly affect the emission level, i. e., varied less than 2dB provided

Based on the preliminary radiated measurements, the one EUT configuration, cable

or wire configuration, and mode of operation that produced the highest emission level

The final test was performed and the frequency and amplitude of the suspect signals (or

the highest 10 to 20 amplitudes and frequencies) were measured with CISPR QP mode and

Preliminary radiated measurements were performed at the measurement distance

The EUT was set up in its typical configuration and operated in its various modes in

specified for compliance to determine the emission characteristics of the EUT based on

order. For tabletop systems, cables or wires were manipulated within the range of likely

Standard: FCC 15, B

FCC ID : CJ6AT99-041

TDK Application No.

configulations.

recorded.

Applicant

Model No.

: TDC-99-0405(1)

: XM-6602B

Test Procedure of Radiated Emission:

ANSI C63.4-1992 Sec. 8. 3. 1. 1.

that the emission level remained compliant.

relative to limit was selected for the final test.

TDK Application No. : TDC-99-0405(1)

Applicant : TOSHIBA CORPORATION
Model No. : XM-6602B

: TOSHIBA CORPORATION Standard : FCC 15 , B : XM-6602B FCC ID : CJ6AT99-041

MEASUREMENT RESULTS OF RADIATED RADIO NOISE at 3m

Date : April 24,1999 Temp.: 15 °C; Humi.: 62 %

; Type : Desk Top

Rohde & Schwarz ESVP

Operation Mode: Detector function: CISPR Quasi-Peak

6dB Band width: 120kHz External Attenuator: none

Description of Equipment : CD-ROM

Model No. : XM-6602B

Test Receiver:

Note:

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT: Refer to sheet No.2,3 and 12.

2) EUT Grounding : None.
 3) Operating Condition : Running with the program prepared by the appricant.

(1) CD-ROM Drive (EUT): Random Data Read. (2) Color Computer Display: Displayed the "H" Characters.

(3) Printer: Printing the "H" Characters.

Eraguanari Compation Mater I

Frequency	Crrection	Meter Reading at 3m		Limit	Emission Level at 3m		Margin
	Factor	$(dB \mu V/m)$			$(dB \mu V/m)$		
(MHz)	(dB)	Hori.	Ver.	(dB μ V/m)	Hori.	Ver.	(dB)
30.000	20.0		29.5	40.0		29.5	10.5
52.300	11.9	19.8	26.1	40.0	19.8	26.1	13.9
66.900	8.2		28.1	40.0		28.1	11.9
88.400	9.8		27.6	43.5		27.6	15.9
109.350	13.7		28.4	43.5		28.4	15.1
112.300	14.1	30.8		43.5	30.8		12.7
124.200	15.6	32.0	29.3	43.5	32.0	29.3	11.5
133.200	16.3		28.3	43.5		28.3	15.2
180.090	18.7	35.4		43.5	35.4		8.1
181.740	18.8		25.1	43.5		25.1	18.4
192.090	19.3	35.1		43.5	35.1		8.4
339.190	20.7	32.6	32.1	46.0	32.6	32.1	13.4
498.970	24.0	42.6	43.0	46.0	42.6	43.0	3.0
610.540	26.6		35.4	46.0		35.4	10.6

1) Meter Readings include Correction Factor (Antenna factor, Cable loss).

2) Sample of calculation at 30.000 MHz:

Calculation of Margin: (40.0-29.5)dB = 10.5dB

Remarks: 1) Emission level was measurd at the worst case condition.

The test data include the estimated uncertainty of MAX.4dB in case. of Radiated Emission measurement.

TDK Application No. : TDC-99-0405(1) Applicant : TOSHIBA CORPORATION Standard: FCC 15, B Model No. : XM-6602B FCC ID : CJ6AT99-041 EUT's Test Arrangement of Radiation Fig 1 Non matallic (F. R. P.) Dome (W $8.0m \times D 6.3m \times H 5.5m$) Glass fiber Antenna pole - 3m -Receiving Antenna Schwarzbeck **BBA9106** UHALP9107 UP BBHA9120-B DOWN $0 \sim 360^{\circ}$ $1 \sim 4m$ Coaxial Cable → Peripherals EUT ← Wooden table $(W 1.5m \times D 1.0m \times H 0.8m)$ Metal turn table Ground Plane AC Power Cable (Metal or 1/4inch Hardware Cross) Spectrum Analyzer System HEWLETT PACKARD 8568S or 8567S Test Receiver Rohde & Schwarz ESVP or ESMI

cables were added to the EUT to determine the effect these cables have on emission from the EUT. The additional cables were added to the condition where the addition of another cables did not significantly affect the emission level, i. e., varied less than 2dB provided

Based on the preliminary radiated measurements, the one EUT configuration, cable

or wire configuration, and mode of operation that produced the highest emission level

The final test was performed and the frequency and amplitude of the suspect signals (or

the highest 10 to 20 amplitudes and frequencies) were measured with CISPR QP mode and

Preliminary radiated measurements were performed at the measurement distance

The EUT was set up in its typical configuration and operated in its various modes in

specified for compliance to determine the emission characteristics of the EUT based on

order. For tabletop systems, cables or wires were manipulated within the range of likely

Standard: FCC 15, B

FCC ID : CJ6AT99-041

TDK Application No.

configulations.

recorded.

Applicant

Model No.

: TDC-99-0405(1)

: XM-6602B

Test Procedure of Radiated Emission:

ANSI C63.4-1992 Sec. 8. 3. 1. 1.

that the emission level remained compliant.

relative to limit was selected for the final test.

TDK Application No. : TDC-99-0405(1)

Applicant : TOSHIBA CORPORATION
Model No. : XM-6602B

: TOSHIBA CORPORATION Standard : FCC 15 , B : XM-6602B FCC ID : CJ6AT99-041

MEASUREMENT RESULTS OF RADIATED RADIO NOISE at 3m

Date : April 24,1999 Temp.: 15 °C; Humi.: 62 %

; Type : Desk Top

Rohde & Schwarz ESVP

Operation Mode: Detector function: CISPR Quasi-Peak

6dB Band width: 120kHz External Attenuator: none

Description of Equipment : CD-ROM

Model No. : XM-6602B

Test Receiver:

Note:

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT: Refer to sheet No.2,3 and 12.

2) EUT Grounding : None.
 3) Operating Condition : Running with the program prepared by the appricant.

(1) CD-ROM Drive (EUT): Random Data Read. (2) Color Computer Display: Displayed the "H" Characters.

(3) Printer: Printing the "H" Characters.

Eraguanari Compation Mater I

Frequency	Crrection	Meter Reading at 3m		Limit	Emission Level at 3m		Margin
	Factor	$(dB \mu V/m)$			$(dB \mu V/m)$		
(MHz)	(dB)	Hori.	Ver.	(dB μ V/m)	Hori.	Ver.	(dB)
30.000	20.0		29.5	40.0		29.5	10.5
52.300	11.9	19.8	26.1	40.0	19.8	26.1	13.9
66.900	8.2		28.1	40.0		28.1	11.9
88.400	9.8		27.6	43.5		27.6	15.9
109.350	13.7		28.4	43.5		28.4	15.1
112.300	14.1	30.8		43.5	30.8		12.7
124.200	15.6	32.0	29.3	43.5	32.0	29.3	11.5
133.200	16.3		28.3	43.5		28.3	15.2
180.090	18.7	35.4		43.5	35.4		8.1
181.740	18.8		25.1	43.5		25.1	18.4
192.090	19.3	35.1		43.5	35.1		8.4
339.190	20.7	32.6	32.1	46.0	32.6	32.1	13.4
498.970	24.0	42.6	43.0	46.0	42.6	43.0	3.0
610.540	26.6		35.4	46.0		35.4	10.6

1) Meter Readings include Correction Factor (Antenna factor, Cable loss).

2) Sample of calculation at 30.000 MHz:

Calculation of Margin: (40.0-29.5)dB = 10.5dB

Remarks: 1) Emission level was measurd at the worst case condition.

The test data include the estimated uncertainty of MAX.4dB in case. of Radiated Emission measurement.

cables were added to the EUT to determine the effect these cables have on emission from the EUT. The additional cables were added to the condition where the addition of another cables did not significantly affect the emission level, i. e., varied less than 2dB provided

Based on the preliminary radiated measurements, the one EUT configuration, cable

or wire configuration, and mode of operation that produced the highest emission level

The final test was performed and the frequency and amplitude of the suspect signals (or

the highest 10 to 20 amplitudes and frequencies) were measured with CISPR QP mode and

Preliminary radiated measurements were performed at the measurement distance

The EUT was set up in its typical configuration and operated in its various modes in

specified for compliance to determine the emission characteristics of the EUT based on

order. For tabletop systems, cables or wires were manipulated within the range of likely

Standard: FCC 15, B

FCC ID : CJ6AT99-041

TDK Application No.

configulations.

recorded.

Applicant

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: TDC-99-0405(1)

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