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	TEST REPORT			
REPORT DATE:	15 February 2000		REPORT NO: 20042D	
CONTENTS:	See Table of Contents			
SUBMITTOR:	TOSHIBA TEC CORPORA 6-78 Minami-Cho Mishima-Shi, Shizuoka-Ken 411-8520 JAPAN			
SUBJECT:	Model Nos:	XTC6/DP85F		
	FCC ID:	ВЛОН-99001		
TEST SPECIFICATION	FCC CFR 47 Sections: 15, Subpart B NOTE: Tests Conducted A	re "Type" Tests.		
DATE SAMPLE RECEIVED:	N/A	DATE TESTED:	8 December 1999	
RESULTS:	Equipment tested complies	with referenced sp	ecification.	
ALTERATIONS	None			
Tested By:	Japan Quality Assurance Organization (JQA)	American Inc. 4N	ka blang	
		Date:	Robert G. Marshall, P. Eng.	

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MARSTECH LIMITED

TECHNICAL REPORT - FCC 2.1033(b)

Applicant

FCC Identifier

Toshiba TEC Corporation 6-78 Minami-Cho, Mishima-Shi Shizuoka-Ken 411-8520 JAPAN

BJIOH-99001

Manufacturer

TIM Electronics SDN BHD Bayan Lepas, Penang MALAYSIA

TABLE OF CONTENTS

<u>Exhibit</u>	Description	FCC Ref.	<u>Page</u>
A	Installation and Operating Instructions Furnished to the User.	2.1033(b)(3)	Exhibit A Exhibit A(1)
В	Description of Circuit Functions	2.1033(b)(4)	Exhibit B Exhibit B(1)
С	Block and Schematic Diagrams Block Diagram & Wiring Diagram Schematic Diagram	2.1033(b)(5)	Exhibit C Exhibit C(1)-1 to -2 Exhibit C(2)-1 to -20
D	Report of Measurements/Test Facility/ Test Equipment List	2.1033(b)(6)	Exhibit D Exhibit D(1)-1 to -12
E	Photographs Label Equipment	2.1033(b)(7)	Exhibit E Exhibit E(1)-1 to -2 Exhibit E(2)-1 to -21

FCC ID: ВЛОН-99001

Marstech Report No. 20042D

EXHIBIT D

(FCC Ref. 2.1033(b)(6))

"Report of Measurements/Test Facility/Test Equipment List"

FCC ID: BJIOH-99001 Marstech Report No. 20042D

EXHIBIT D

TOSHIBA TEC CORPORATION

570,OHITO,OHITO-CHO,TAGATA-GUN,SHIZUOKA-KEN,410-2392,JAPAN PHONE:0558-76-9607 FAX 0558-76-9844

REPORT OF MEASUREMENT ON DIGITAL DEVICE

Data: December 22, 1999 Report Number: OF-99040

1.Applicant

: TOSHIBA TEC CORPORATION

Document Processing & Telecommunication Company

6-78 Minami-cho, Mishima-shi, Shizuoka-ken

2. Manufacture

: TOSHIBA TEC CORPORATION

Document Processing & Telecommunication Company

6-78 Minami-cho, Mishima-shi, Shizuoka-ken

3. Produtc Tested

: Facsimile

4.Data of Application received

: December 22, 1999

5.Data of Measurement

: December 8, 1999 (Completed)

6. Regulations Applied

: FCC Part 15 Subpart B

7. Mesurement Procedure

: ANSI C63.4-1992

8.Place of Measurement

: TOSHIBA TEC CORPORATION FUNABARA SITE

696-3, Kami-Funabara, Amagi-Yugashima-cho Tagata-gun, Shizuoka-ken, 410-3621, Japan

Site No.31040/SIT 1300F2

Shinichi Akimoto, Group Manager

Production Engineering Dpt. Components Business Group

-

Page 2 of 12 Report No.: OF-99040

I HEREBY CERTIFY THAT: The data shown in this report were made in coordinate with the procedures given in ANSI C63.4-1992 and the energy emitted by the device was founded to be within the limits applicable. I assume full responsibility for accuracy and completeness of these data.

Note: These results are deemed satisfactory evidence of compliance with ICES-003 of the Canadian Interference-Causing Equipment Regulation.

GENERAL EQUIPMENT INFORMATION:

DESCRIPTION OF EQUIPMENT:

1) Category

: Class B

2) Trade Name

: XEROX / TOSHIBA

3) Model No.

: XTC6 / DP85F

4) FCC-ID

: BJIOH-99001

5) Power-Rating

: 120V 60Hz

6) Type of EUT

: Desktop

TEST CONDITION OF EQUIPMENT UNDER TEST(EUT)

1) Test Configuration of the EUT

: Refer to Page Nos. 9 to 11.

2) Operating Mode

: 1) Stand-by Mode

2) Copy Mode

3) Transmit Mode

4) Receipt Mode 5) PC Print Mode

3) Power Supply

: 120V 60Hz / 230V 50Hz

4) EUT Grounding

: Grounded at the plug end of line cord.

5) EUT Warm-up Time

: 5 minutes

6) Temp/Humi.

: (December 7) Temp. 20 °C

Humi. 35 %

(December 8) Temp. 12 °C

Humi. 45 %

Tested by: Jyunichi Yoshikawa

TOSHIBA TEC CORPORATION

RADIATED RADIO NOISE MEASUREMENT

Description of Device : <u>Facsimile</u> Model No. : <u>XTC6 / DP85F</u>

Test Condition of Equipment under Test (EUT)

Configuration of EUT: Refer to sheet No.7

Operating Condition : Refer to sheet No.2

Date: December 7,1999 : 20°C 35%

December 8,1999 : 12°C 45%

Fre	equency	Antenna Factor		ng at 3 m /uV)	Class B Limits	Emission Lev (dB/uV	
	(MHz)	(dB)	Horizontal	•	(dB/uV/m)	Horizontal	Vertical
	31.4	19.4	4.0	11.0	40.0	23.4	30.4
	46.0	16.6	10.0	16.0	40.0	26.6	32.6
	56.5	12.3	8.0	18.0	40.0	20.3	30.3
	80.5	11.2	22.0	17.0	40.0	33.2	28.2
	112.9	17.3	12.0	15.0	43.5	29.3	32.3
	156.8	21.2	5.5	15.0	43.5	26.7	36.2
	169.4	22.0	17.0	18.0	43.5	39.0	40.0
	172.9	22.2	0.0	16.5	43.5	0.0	38.7
	184.1	22.8	10.0	12.5	43.5	32.8	35.3
	218.9	24.4	13.0	18.5	46.0	37.4	42.9
	240.0	24.8	7.5	14.0	46.0	32.3	38.8
	265.5	25.3	14.5	8.0	46.0	39.8	33.3
*	336.0	28.1	10.0	7.0	46.0	38.1	35.1
*	383.5	29.5	7.5	8.5	46.0	37.0	38.0
*	426.5	30.8	-2.0	5.0	46.0	28.8	35.8
*	499.6	33.3	2.0	1.0	46.0	35.3	34.3
*	620.9	36.1	1.0	4.5	46.0	37.1	40.6
*	720.1	38.9	-2.0	-2.0	46.0	36.9	36.9

NOTES: 1) The cable (53m) loss is included in the antenna factor.

- 2) The symbol of [*] means [With Dipole Antenna] and the rest means [With Broadband Antenna].
- 3) Meter Reading + Antenna Factor = Emission Level Sample of calculation at 31.4 MHz: 4.0 + 19.4 = 23.4 dB/uV/m

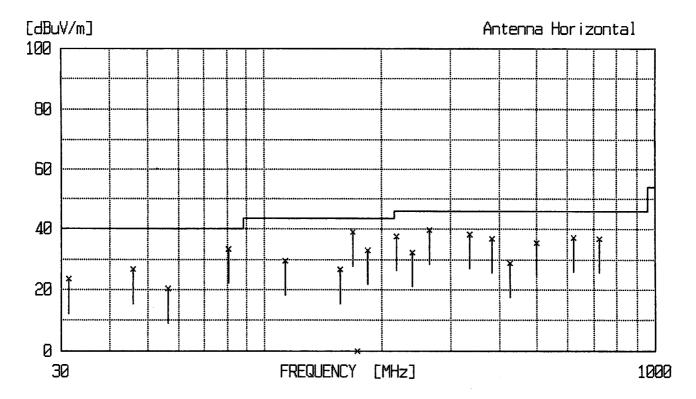
FCC ID: BJIOH-99001 Marstech Report No. 20042D EXHIBIT D(1)-3

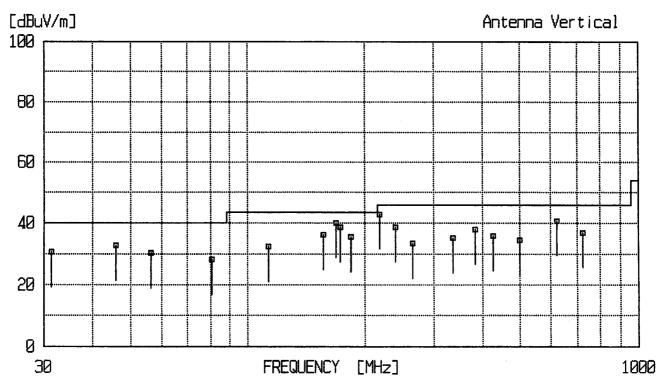
RADIATED RADIO NOISE MEASUREMENT

Description of Device : Facsimile

Model No. : XTC6 / DP85F

Operating Condition: Refer to sheet No.2





TOSHIBA TEC CORPORATION

<u>Report No.: OF-99040</u> Page 5 of 12

LINE CONDUCTED RF VOLTAGE MEASURMENT

Description of Device : <u>Facsimile</u> Model No. : <u>XTC6 / DP85F</u>

Test Condition of Equipment under Test (EUT)

Configuration of EUT : <u>Refer to sheet No.7</u>

Operating Condition : <u>Refer to sheet No.2</u>

Date: December 8,1999 : 12°C 45%

Frequency	LISN Factor	Meter Read	ling at QP lB/uV)	QP/AVE -13dB	Class B Limits		ion Level B/uV)
(MHz)	(dB)	One end & Grd'd	The other end & Grd'd		(dB/uV)	One end & Grd'd	The other end & Grd'd
0.450		36.2	38.3		48.0	36.2	38.3
0.584		43.7	42.3		48.0	43.7	42.3
0.792		44.3	44.3		48.0	44.3	44.3
1.187		41.8	41.9		48.0	41.8	41.9
1.980		43.2	43.8		48.0	43.2	43.8
3.168		38.7	40.4		48.0	38.7	40.4
7.405		34.8	35.4		48.0	34.8	35.4
16.702		39.7	38.9		48.0	39.7	38.9
25.029		29.2	28.8		48.0	29.2	28.8

NOTES: There is little or no LISN Factor and cable loss.

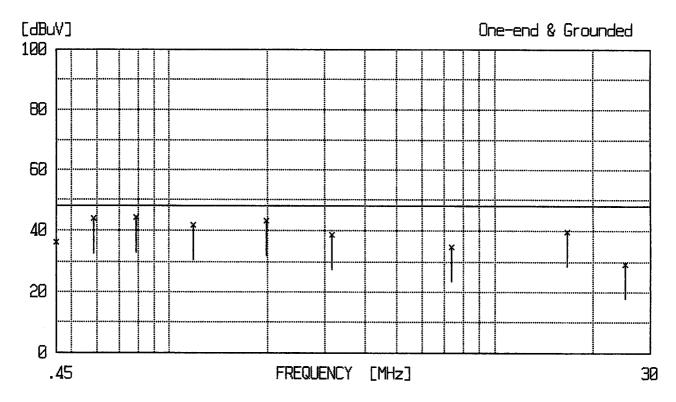
FCC ID: BJIOH-99001 Marstech Report No. 20042D EXHIBIT D(1)-5

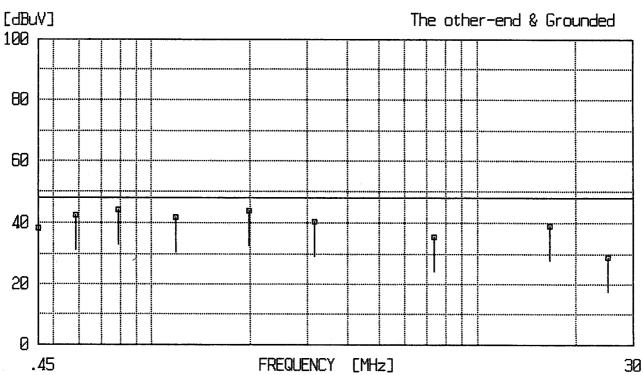
LINE CONDUCTED RF VOLTAGE MEASURMENT

Description of Device : Facsimile

Model No. : XTC6 / DP85F

Operating Condition: Refer to sheet No.2





TOSHIBA TEC CORPORATION

TEST CONDITIONS AND CONFIGURATION OF ITE

1. The information technology equipment (ITE) consists of EUT

Description	Manufacturer	Model No.	FCC ID
Facsimile	Toshiba Tec Corporation	XTC6 / DP85F	BJIOH-99001
Hand-Set	Toshiba Tec Corporation	$\mathrm{HD} ext{-}15~\mathrm{XC}$	
Option-Cassette	Toshiba Tec Corporation	Work Center Pro 555/57	5
		Auxiliary Paper Tray	

2. The measurement was carried out with the following equipment connected:

Description	Manufacturer	Model No.	FCC ID
Personal Computer	DELL Computer Corp.	MCM	
CRT	AXION Electronics co.ltd	CV-1053	ATI9RCV-1053
Keyboard Unit	Digital Equipment Corporation	PCXAJ-AA	
Mouse	Logitech,Inc.	M-S48	DZL211092
Facsimile	MINOLTA Co,Ltd,	MINOLTAFAX1600	
Telephone	TOSHIBA Corporation	FE-210	
PBX		TTC-900	
Dot Matrix Printer	Toshiba Tec Corporation	9600	BJI9BUOH-87019

3. Type of interface cable

Description	Shielded Cable	Ferrite core	Length(m)
Facsimile / Hand-Set	No	YES	0.34m
Facsimile / Telephone	No	No	0.93m
Facsimile / PBX	No	No	2.17m
Facsimile / (Parallel)	Yes	No	1.90m
Personal Computer			
Personal Computer / CRT	Yes	Yes	1.10m
Personal Computer / Keyboard	Yes	Yes	1.10m
Personal Computer / Mouse	Yes	Yes	1.75m
Personal Computer(Serial) /	Yes	No	2.10m
Dot Matrix Printer			
Facsimile (MINOLTAFAX1600) /	No	YES	2.17m
PBX			
Facsimile / AC120V	No	No	1.73m
Personal Computer / AC120V	No	No	1.76m
CRT / AC120V	No	No	3.70m
PBX / AC120V	No	No	1.78m
Facsimile (MINOLTAFAX1600) /	No	No	2.92m
AC230V			
Dot Matrix Printer / AC120V	No	No	1.80m

TOSHIBA TEC CORPORATION

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4. Configuration of the equipment under test

Refer to Page No. 9 to 11.

The System was configured to maximize emission. The test reflects the worst case with the System active Operating.

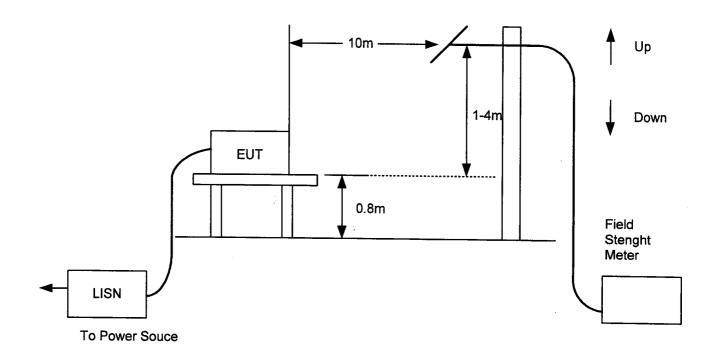
5. Arrangement of the Interface Cable(s)

Refer to sheet No 9 To 11.

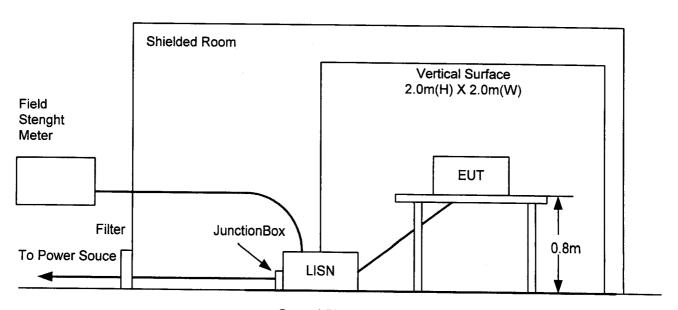
These interface cables were positioned so as to produce the highest maximum at every frequency between 30 MHz and 1000MHz, being within the manner assumed to be a typical operating condition.

FCC ID: BJIOH-99001 Marstech Report No. 20042D EXHIBIT D(1)-8

RADIATED RADIO NOISE MEASURMENT TEST SET-UP SKETCH



LINE CONDUCTED RF VOLTAGE MEASUREMENT TEST SET-UP SKETCH

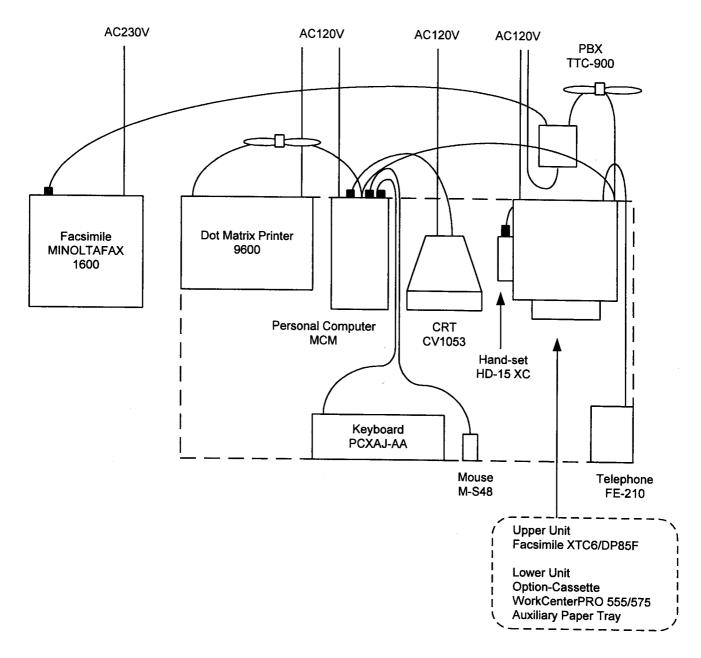


Ground Plane 2.0m(L) X 3.0m(W) LISN and Junction Boxes bonded to Ground Plane

TOSHIBA TEC CORPORATION

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TEST CONDITIONS AND CONFIGURATION OF EUT

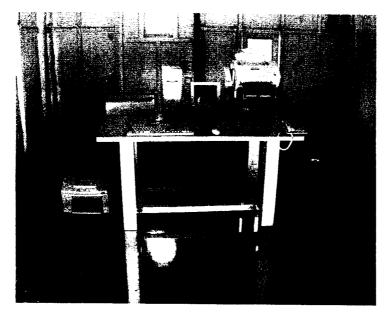


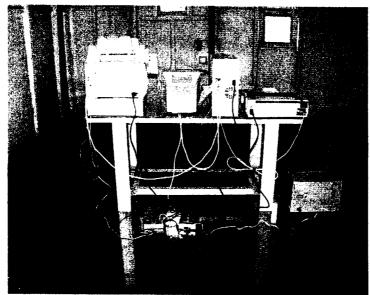
Note. "■"in the figure shows a ferrite core.

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TEST CONDITIONS AND CONFIGURATION OF EUT







TOSHIBA TEC CORPORATION

TEST INSTRUMENT:

Instrument Manufactuere	Model No. [Serial No.]	Specification	List Calibration [Cal. Intarval]
Test Receiver Rohde&Schwarz	ESH3 [892378/021]	0.01-30MHz CISPR Q.P and Ave.	[1 year]
Test Receiver Rohde&Schwarz	ESU2	30-1000MHz CISPR Q.P	[1 year]
Test Receiver Rohde&Schwarz	ESV [89493/004]	30-1000MHz CISPR Q.P	[1 year]
Spectrum Analyzer Hewlett Packrd	8568B [2542A12456]	$0.1\text{-}1500\mathrm{MHz}$	[1 year]
Spectrum Analyzer Advantest	TR-4135 [87800094]	0.01-3600MHz	[1 year]
Line ImpedanceStabilization Network (LISN) Rohde&Schwarz	ESH2-Z5 [892107/016]	50 Ω//50 μ Η	[1 year]
Dipole Antenna Schwarzbeck	VHA9103	30-300 MHz	[1 year]
Dipole Antenna Schwarzbeck	UHA9105	300-1000MHz	[1 year]
Broabband Antenna Schwarzbeck	BBA9106	30-300 MHz	[1 year]
Broabband Antenna Schwarzbeck	UHALP9107 [9107795]	300-1000MHz	[1 year]

FCC ID: BJIOH-99001 Marstech Report No. 20042D EXHIBIT D(1)-12