

EXHIBIT 6

TEST REPORT

FCC PART 15 MEASUREMENT REPORT

RICOH COMPANY, LTD.

COMPACT DISC REWRITABLE DRIVE

MODEL: MP7040A

Z02C-98170

June, 1998

ZACTA TECHNOLOGY CORPORATION

4149-7 Hachimanpara 5-chome
Yonezawa-shi Yamagata
992-1128 Japan

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LABORATORY MEASUREMENTS

TEST OUTLINE

COMPANY NAME : RICOH COMPANY, LTD.
EUT : COMPACT DISC REWRITABLE DRIVE
MODEL NO. : MP7040A
SERIAL NO. : S-0038A
DATE OF TESTS : June 24, 1998
LIMIT : FCC PAR 15 SUBPART B CLASS B
CLASS : B
DISTANCE : 3m
POWER SUPPLIED : AC 120 V
REPORT NO. : Z02C-98170

ENGINEER SIGNATURE : Hisatoshi Saito

PRINTED : Hisatoshi Saito

RESULTS OF THE MEASUREMENTS

The minimum margin to the limits are as follows:

- READ MODE -

	Margin	FREQ.	POL.[H/V]	COMMENT
Conduction	-15.0dB	4.970MHz	N/A	
Radiation	-4.1dB	65.61MHz	H	

CONFIGURATION INFORMATION**DEVICE INFORMATION**

COMMENT :

NO.	EQUIPMENT	COMPANY	MODEL NO.	SERIAL NO.	FCC ID	COMMENT
A	Compact Disc Rewritable Drive	RICOH	MP7040A	S-0038A	BBP7040A	EUT
B	Computer	COMPAQ	PROLINEA575	00146555	CNT75MDB6V5	
C	Display	IBM	8512-001	72-1480571	C5F7NF13CM14	
D	Keyboard	COMPAQ	RT6674TJP	CM1-6A3T5A	AQ6-MTN4C15	
E	Printer	Panasonic	KX-P1080i	8DKAKM99632	ACJ5Z6KX-P1080I	
F	Modem	Hayes	5240AM	A0125240K346	BFJ5201AM	
G	Headphone	SONY	MDR-CD470	N/A	N/A	
H	Mouse	COMPAQ	M-S28	N/A	DZL210513	

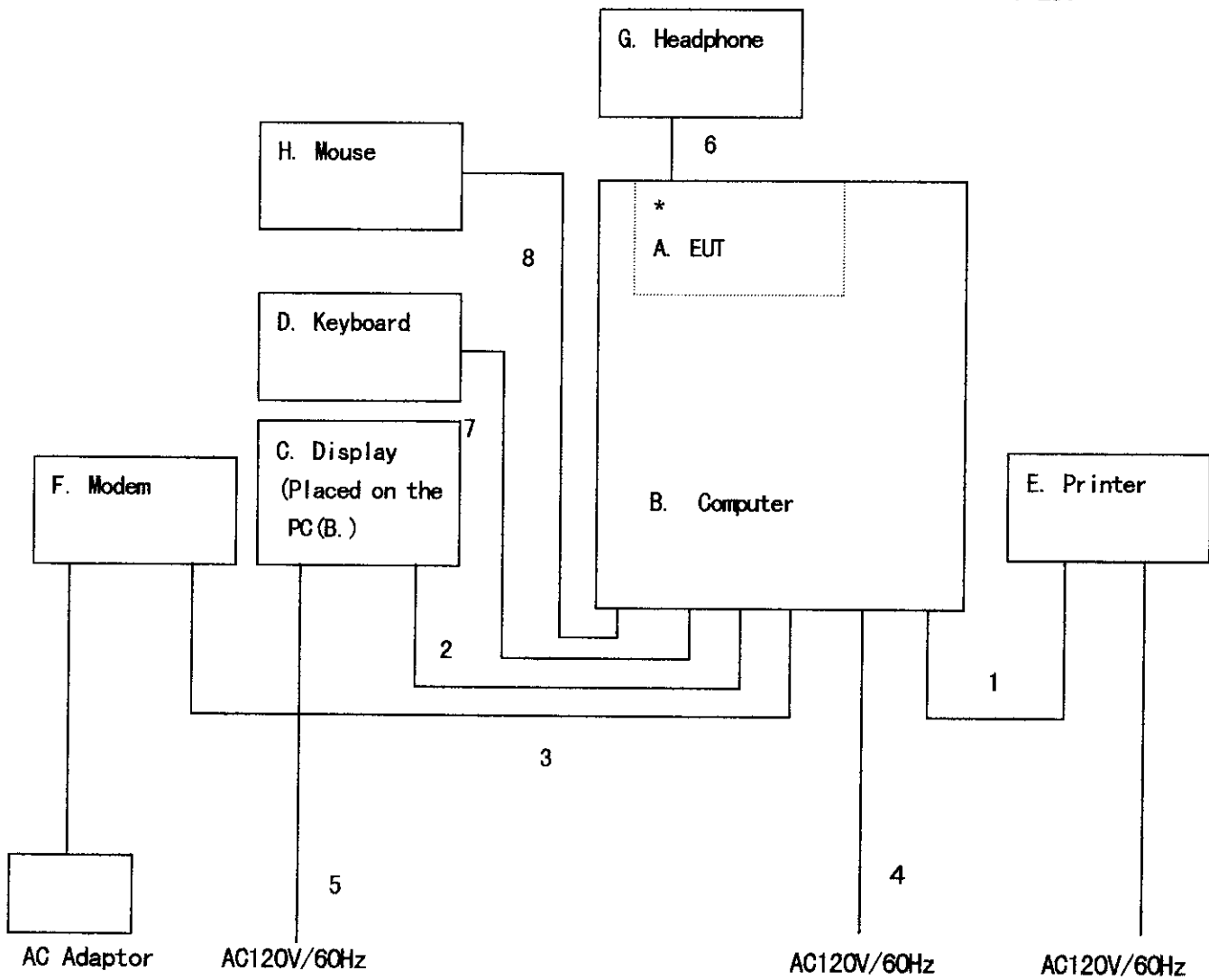
CABLES INFORMATION

NO.	CABLE	COMPANY	LENGTH [m]	SHIELDED	COMMENT
1	Printer cable	INMAC	2.0	Shielded	Bundled to 1.0m
2	Video cable	IBM	1.5	Shielded	Bundled to 1.0m
3	RS-232C cable	INMAC	2.0	Shielded	Bundled to 1.0m
4	AC power cord	COMPAQ	1.9	Unshielded	For PC
5	AC power cord	IBM	1.9	Unshielded	For Display
6	Headphone cable	SONY	3.0	Shielded	Bundled to 1.0m
7	Keyboard cable	COMPAQ	1.5	Shielded	
8	Mouse cable	COMPAQ	1.5	Shielded	

SYSTEM CONFIGURATION

COMMENT :

* : EUT



Symbols or numbers assigned to equipment or cables on this diagram are corresponded to the symbols or numbers assigned to equipment or cables on tables in Configuration/Cable Information.

TEST SITE CONDITION

DATE	SITE #	WEATHER	TEMPERATURE	HUMIDITY
06/ 24/ 1998	1	Sunny	25°C	55%

INSTRUMENTATION USED

[*] RECEIVER

RADIATED ☐ R/S ESV (DET ☐ QP ☐ PEAK)
☒ KYORITSU KNM-5002, KCV-6002 (DET ☒ QP ☐ PEAK)
 IF BANDWIDTH ☒ 120kHz ☐ OTHER kHz
 CONDUCTED ☐ R/S ESH2 (DET ☒ QP ☐ PEAK ☐ AVERAGE)
☒ KYORITSU KNM-2402 (DET ☐ QP ☐ PEAK ☐ AVERAGE)
 IF BANDWIDTH ☐ 200Hz ☐ 500Hz ☐ 24kHz ☒ 10kHz
 PRI AMP ☐ HP8449B (1GHz-26.5GHz) ☒ ANRITSU MH648A (30MHz-1.2GHz)
☐ NOT USED

[*] SPECTRUM ANALYZER

☐ HP8568B (DET ☐ QP ☐ PEAK ☐ AVERAGE)
☐ HP8590A (DET ☐ PEAK ☐ AVERAGE)
☒ ADVANTEST R3271 (100Hz-26.5GHz) (DET ☒ PEAK ☒ AVERAGE)
 RADIATED: RESOLUTION BANDWIDTH
☐ 10kHz ☐ 30kHz ☐ 100kHz ☐ 120kHz ☐ 300kHz
 VIDEO BANDWIDTH
☐ 3kHz ☐ 10kHz ☐ 30kHz ☐ 100kHz
☐ 300kHz ☐ 1MHz ☐ 3MHz
 CONDUCTED: RESOLUTION BANDWIDTH
☐ 100Hz ☐ 300Hz ☐ 1kHz ☐ 3kHz ☐ 10kHz
 VIDEO BANDWIDTH
☐ 100Hz ☐ 300Hz ☐ 1kHz ☐ 3kHz ☐ 10kHz
☐ 30kHz ☐ 100kHz ☐ 300kHz ☐ 1MHz ☐ 3MHz
 PRI AMP ☐ HP85685A ☐ HP8449B ☐ NOT USED

ANTENNAS

☒ SCHWARZBEC BBA9106/VHA9103LE
☒ EMCO LOGPERIODIC DIPOLE MODEL 3146
☐ R/S LOOP ANTENNA HFH2-Z2 (10kHz-30MHz)
☐ ADVANTEST LOG SPIRAL ANTENNA MODEL TR17205 (1-10GHz)
☒ EMCO DOUBLE RIDGED GUIDE ANTENNA MODEL 3115 (1-18GHz)

COAXIAL CABLE

☒ 8D-2W 15m
☒ 23D-HA 30m, 8D-2W 15m ☐ OTHER (m)
☐ 23D-HA 30m, 8D-2W 8m

ANTENNA LOCATION

☐ 1m CLOSE FROM EUT ☒ 3m METHOD STANDARD
☐ 10m METHOD STANDARD ☐ OTHER ()

LISN

☐ CDI 8012-50-R-24-BNC ☒ KYORITSU KNM-242C

MEMO

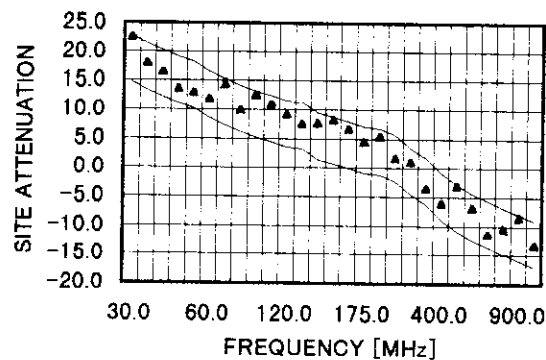
TECHNICAL INFORMATION

DESCRIPTION FOR TEST SITE

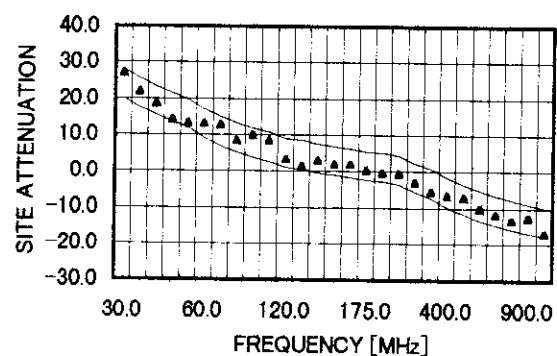
1. LOCATION: ZACTA TECHNOLOGY CORPORATION YONEZAWA TESTING CENTER
4149-7 Hachimanpara 5-chome, Yonezawa-shi Yamagata 992-1128 Japan
Phone: +81-238-28-2880 Fax: +81-238-28-2888
2. THE NUMBER OF SITE: Total: 3 sites #1 site
#2 site
#3 site
#4 site
3. THE TYPE OF SITE : Whether protected site
4. TEST TYPE : All site could perform as follows tests:
 - 1) 3/10m Radiated emission test
 - 2) Conducted emission test

5. NORMALIZED SITE ATTENUATION GRAPH

SITE1 10m VER.



1SITE 10m HOR.



6. SITE FILING INFORMATION

FCC FINAL SITE FILING: January 29, 1997

§ 2.948 Pursuant to ANSI C63.4-1992

VCCI FINAL SITE FILING: April 1, 1997

V-5/97.04 Pursuant to VCCI Regulations for Registration of
measurement facilities

TEST EQUIPMENT

Equipment	Manufacture	Model name / Serial No	Last Cal. date	Period
Spectrum Analyzer	HEWLETT-PACKARD Co	HP8568B / 2634A02803	Mar. 1998	1 year
RF Preamplifier	Anritsu	MH648A / M96157	Jun. 1997	1 year
RF Preamplifier	HEWLETT-PACKARD Co.	HP8449B / 3008A00589	Jan. 1998	1 year
Signal Generator	HEWLETT-PACKARD Co.	HP8657A / 2750U00157	Jun. 1997	1 year
Test Receiver	ROHDE & SCHWARZ	ESV / 89237	Mar. 1998	1 year
Test Receiver	ROHDE & SCHWARZ	ESH2 / 892237/012	Mar. 1998	1 year
Test Receiver	ROHDE & SCHWARZ	ESHS10 / 61360022	Jun. 1997	1 year
Test Receiver	Kyouritsu Electrical Works, Ltd.	KNM-5002/ 4N-187-2 KCV-6002/ 4-288-1	Jul. 1997	1 year
Test Receiver	Kyouritsu Electrical Works, Ltd.	KNM-5002/ 4N-187-10 KCV-6002/ 4-257-1	Jul. 1997	1 year
Test Receiver	Kyouritsu Electrical Works, Ltd.	KNM-5002/ 4N-195-2 KNM-6002/ 4-269-2	Jan. 1998	1 year
Test Receiver	Kyouritsu Electrical Works, Ltd.	KNM-2402/ 4N-192-1	Jan. 1998	1 year
Test Receiver	Kyouritsu Electrical Works, Ltd.	KNM-2402/ 4N-220-1	Aug. 1997	1 year
Line Impedance Stabilization Network	COMPLIANCE DESIGN Inc	8012-50-R-24- BNC/887121	Jan. 1998	1 year
Line Impedance Stabilization Network	Kyouritsu Electrical Works, Ltd.	KNM-242C / 8-875-19	Dec. 1997	1 year
Dipole Antenna	COMPLIANCE DESIGN Inc	ROBERTS ANTENNA (TM)	Oct. 1997	1 year
Biconical Antenna	Schwarzbeck		May. 1997	1 year
Log Periodic Antenna	Electro-Mechanics Co.	3146 / 8901-2336	May. 1997	1 year
Log Periodic Antenna	Electro-Mechanics Co.	3146 / 8901-2332	May. 1997	1 year
Double Ridged Guide Antenna	Electro-Mechanics Co.	9408-4328	Nov. 1997	1 year

Calibration traceable to NIST or an equivalent standards reference organization.

= FCC PART15B class B 3m RADIATED DATA SHEET =

DATE OF TESTS: 98/06/24 SITE: 1 CHART NO. SHEET NO. 1
 COMPANY NAME: RICOH MODEL: MP7040A MODE: READ
 COMMENT:最終データ

POL. H/V	FREQ. [MHz]	READ. [dBuV]	AMP.G [dB]	ANT.F [dB]	C.F [dB]	NET [dBuV/m]	LIMITS [dBuV/m]	MARGIN [dB]	COMMENT
H	65.61	56.7	29.8	7.9	1.1	35.9	40.0	-4.1	*
V	125.32	48.6	29.7	13.9	1.6	34.4	43.5	-9.1	
H	179.27	44.5	29.7	16.0	2.0	32.8	43.5	-10.7	
H	241.36	46.5	29.7	16.6	2.3	35.7	46.0	-10.3	
V	372.32	45.5	29.9	15.3	2.9	33.8	46.0	-12.2	
V	551.30	46.0	29.9	17.8	3.8	37.7	46.0	-8.3	
V	673.57	43.9	29.6	20.6	4.3	39.2	46.0	-6.8	
V	701.65	40.5	29.5	21.5	4.4	36.9	46.0	-9.1	
V	801.88	42.8	29.5	22.8	4.8	40.9	46.0	-5.1	
H	952.23	36.5	29.0	24.9	5.1	37.5	46.0	-8.5	
V	952.23	39.8	29.0	24.9	5.1	40.8	46.0	-5.2	
V	1052.40	46.9	38.1	26.1	3.7	38.6	54.0	-15.4	PEAK
V	1052.40	43.5	38.1	26.1	3.7	35.2	54.0	-18.8	AVERAGE
H	1152.60	43.3	38.0	26.3	3.9	35.5	54.0	-18.5	PEAK
H	1152.60	38.3	38.0	26.3	3.9	30.5	54.0	-23.5	AVERAGE

= FCC PART15B class B 3m RADIATED DATA SHEET =

DATE OF TESTS: 98/06/24 SITE: 1 CHART NO. SHEET NO. 2
 COMPANY NAME: RICOH MODEL: MP7040A MODE: WRITE
 COMMENT: 最終データ

POL. H/V	FREQ. [MHz]	READ. [dBuV]	AMP.G [dB]	ANT.F [dB]	C.F [dB]	NET [dBuV/m]	LIMITS [dBuV/m]	MARGIN [dB]	COMMENT
V	55.76	49.6	29.8	10.6	1.0	31.4	40.0	-8.6	
H	65.61	56.4	29.8	7.9	1.1	35.6	40.0	-4.4	
V	124.08	53.6	29.7	13.8	1.6	39.3	43.5	-4.2	*
V	126.55	53.2	29.7	13.9	1.6	39.0	43.5	-4.5	
H	140.97	52.4	29.7	14.6	1.7	39.0	43.5	-4.5	
H	179.27	45.5	29.7	16.0	2.0	33.8	43.5	-9.7	
V	200.49	49.2	29.7	16.2	2.1	37.8	43.5	-5.7	
V	551.30	45.7	29.9	17.8	3.8	37.4	46.0	-8.6	
V	701.65	43.2	29.5	21.5	4.4	39.6	46.0	-6.4	
V	952.23	40.1	29.0	24.9	5.1	41.1	46.0	-4.9	

= FCC PART15B class B LINE CONDUCTED DATA SHEET =

DATE OF TESTS:98/06/24

SITE: 1 CHART NO. SHEET NO. 3

COMPANY NAME:RICOH

MODEL: MP7040A

MODE: READ

COMMENT:

FREQ. [MHz]	READ. A [dBuV]	READ. B [dBuV]	FACTOR [dB]	NET A [dBuV]	NET B [dBuV]	LIMITS [dBuV]	MARGIN [dB]	COMMENT
2.039	28.7	28.6	0.2	28.9	28.8	48.0	-19.1	
4.970	32.7	27.3	0.3	33.0	27.6	48.0	-15.0	*
8.743	30.0	31.8	0.5	30.5	32.3	48.0	-15.7	
24.054	19.0	20.0	1.0	20.0	21.0	48.0	-27.0	
26.241	25.0	25.4	1.1	26.1	26.5	48.0	-21.5	
29.976	30.4	29.2	1.3	31.7	30.5	48.0	-16.3	

= FCC PART15B class B LINE CONDUCTED DATA SHEET =

DATE OF TESTS: 98/06/24

SITE: 1 CHART NO. SHEET NO. 4

COMPANY NAME: RICOH

MODEL: MP7040A

MODE: WRITE

COMMENT:

FREQ. [MHz]	READ. A [dBuV]	READ. B [dBuV]	FACTOR [dB]	NET A [dBuV]	NET B [dBuV]	LIMITS [dBuV]	MARGIN [dB]	COMMENT
5.233	32.4	30.0	0.3	32.7	30.3	48.0	-15.3	*
8.493	23.5	26.9	0.5	24.0	27.4	48.0	-20.6	
11.539	25.4	27.3	0.5	25.9	27.8	48.0	-20.2	
24.033	25.5	25.5	1.0	26.5	26.5	48.0	-21.5	
25.488	15.5	15.2	1.0	16.5	16.2	48.0	-31.5	
29.981	30.7	30.6	1.3	32.0	31.9	48.0	-16.0	