

EMI TEST REPORT

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Canon G3 RF Anechoic Room

Canon Inc.

3-30-2 Shimomaruko, Ohta-ku, Tokyo 146, Japan

1. 申請者と被試験機に関する事項 Applicant/EUT Identification

テストレポート番号 Test report #	G398012		
申請者 Applicant	Canon Inc.	住所 Address	3-30-2 Shimomaruko, Ohta-ku, Tokyo146, Japan
レポートのタイプ Category of report	☐ Verification		☒ Certification FCC ID:AZDH12105
被試験機の種類 Category of EUT	☐ Class A digital device ☐ Class B digital device		☒ Class B digital device
			☐ Personal computer ☒ Computer peripheral
モデル番号 Model Number	H 1 2 1 4 6		
名称 Trade Name	Canon	Usage: ☒ Facsimile (PSTN ☒ 1 port ☐ 2 ports) ☒ Copier ☒ Printer (☐ BJ ☒ LBP) ☒ Scanner (☒ Color ☒ Monochrome) ☐ with LAN ports ☒ with Computer port	
製造者 Manufacturer	Canon Inc.	住所 Address	3-30-2 Shimomaruko, Ohta-ku, Tokyo146, Japan
工場 Factory	Canon Ami Factory	住所 Address	3577 Yoshiwara, Ami-machi, Inashiki-gun, Ibaraki-ken, Japan

2. 適用規格 Applicable Regulations

測定規格 Measured per	限度値 Limit	FCC 15B Class ☐ A ☒ B		CISPR Pub 22 Class ☐ A ☐ B	
	測定方法 Method	ANSI C63.4-1992 (Methods of Measurement of Radio Noise Emission from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz)			
測定日 Measured on	1998年(Y) 5月(M) 20, 21日(D)				
使用クロック周波数 Clock freq used	(CPU) 29MHz (Printer CPU) 20.7913MHz (Printer Video) 24.27364MHz (MODEM) 38MHz	測定周波数上限 Applicable freq up to	☒ 1GHz(for used clock 1.705-108MHz) ☐ 2GHz(for used clock 108-500MHz) ☐ See Remarks.		
使用電源 Powered by	☒ 120VAC 60Hz ☐ Battery ☐ PSTN				

3. 測定結果 Test Result

判定 Judgement	☒ Passed ☐ Failed ☐ For information only				
測定項目 Items to be measured	モード Mode of operation	最小マージン Minimum margin	周波数 Frequency	備考 Remarks	
放射ノイズ Radiated noise	垂直偏波 Vertical	Copy	3.48 dB	55.27 MHz	
	水平偏波 Horizontal	Copy	5.82 dB	190.04 MHz	
電源端子ノイズ Conducted noise	準尖頭値 Quasi-peak	Copy	6.1 dB	21.0320 MHz	
	平均値 Average	-	- dB	- MHz	

使用テストチャート Test chart used ☒ 国電No.4 ☐ その他 ()

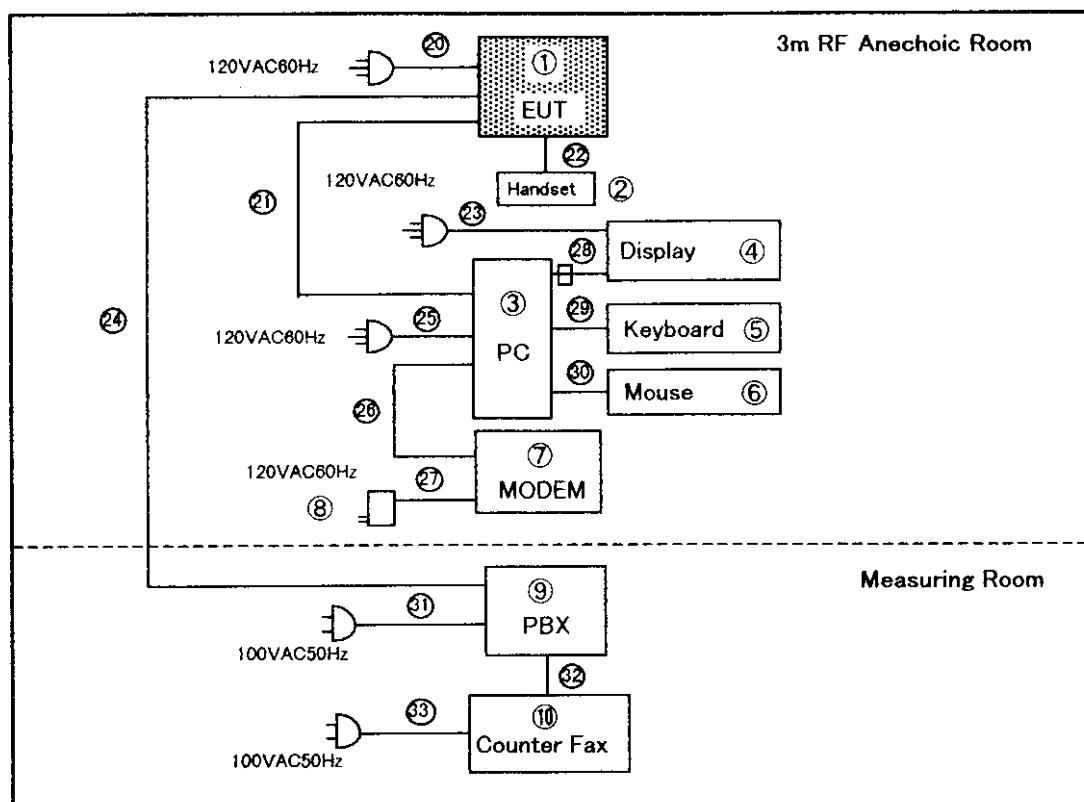
EUTの動作モード Mode of operation: Standby, Copy, Tx, Rx, Print

特記事項 Remarks

4. 測定レポートの発行 Issue of Test Report

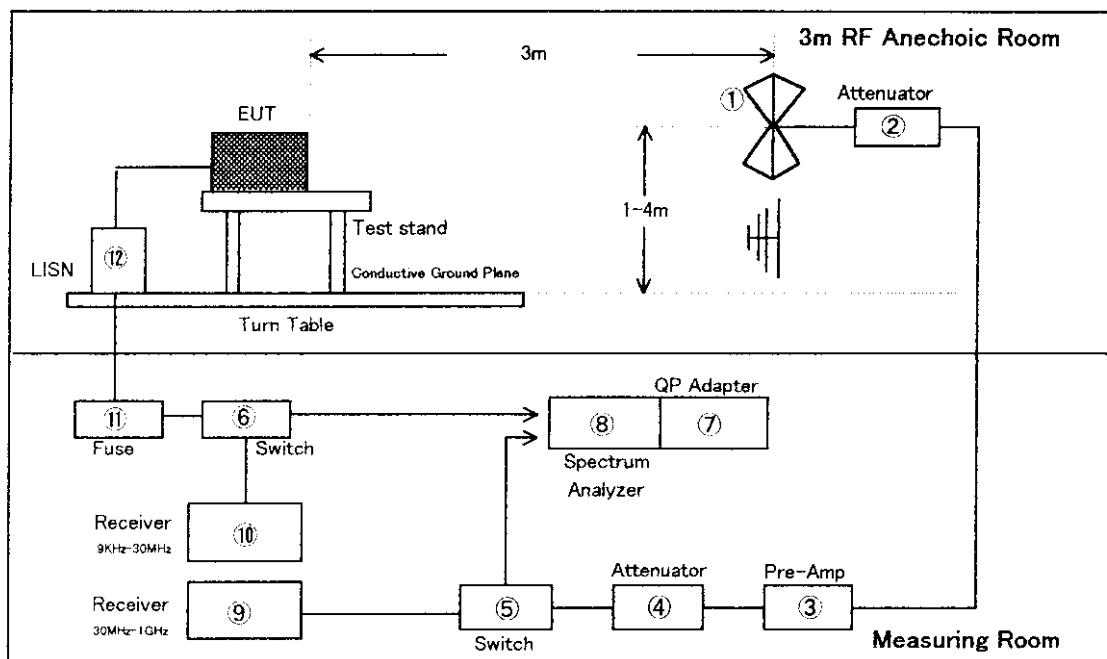
レポートの発行 Report issued by	Canon Inc.	発行日 Issued	1998年(Y) 5月(M) 28日(D)
住所 Address	3-30-2 Shimomaruko, Ohta-ku, Tokyo146, Japan		
測定場所 Site	Canon G3 RF Anechoic Room, 3-30-2 Shimomaruko, Ohta-ku, Tokyo 146, Japan FCC filing valid until March 1999. FCC Ref #: 31040/SIT, 1300F2		
測定者 Measured by	 <u>Kazuhiro Yagi, Engineer, DCT</u>		
承認 Approved by	 <u>Etsuo Wakasugi, Director Engineer, DCT</u>	 <u>Shingo Uehara, Mgr. OIP Tech Assr Dept 13, Canon Inc.</u>	

5. 試験構成 Test Setup



機番	機器名 Name of Equipment	型番 Type	シリアル番号 Serial#	FCC ID	メーカー Manufacturer
①	EUT	H12148	DE-001	AZDH12105	Canon Inc
②	Handset	Telephone 3		-	Canon Inc
③	DESKPRO XE 580	3071	6352HFC20623	CNT75MBFF	COMPAQ
④	Display	411c	11125222A447	BEJMY411	COMPAQ
⑤	Keyboard	Enhanced III	140538-119	CIGE035074	COMPAQ
⑥	Mouse	MUS2J	1D764AA00908	EMJMUSJA	COMPAQ
⑦	Smart TEAM Data Modem	103/212A	A036904	EF56A5103/212A	Team Technology Inc.
⑧	Ac Adapter	DV-1215A			Team Technology Inc.
⑨	Auto Telephone Exchange		830140	-	Kube Telephone Co., Ltd.
⑩	FACSIMILE (Counter Fax)	NTTFAX T-61		-	NTT.

ケーブル番号	ケーブル Cable	型番 Type	メーカー Mfr	長さ Length	シールドの有無 Shield	コアの有無(個数) Core
②①	Power	WT3-5068	Canon Inc	2 m	None	None
②②	Centronix			1.5 m	Shield	None
②③	Handset			1 m	None	None
②④	Power (integral part of Display)			1.8 m	None	None
②⑤	Telephone	HH2-2501	Canon Inc	2.9 m	None	None
②⑥	Power			1.9 m	None	None
②⑦	RS			1.5 m	None	None
②⑧	AC			1 m	None	None
②⑨	Video			1.8 m	Shield	1
③①	Control			1.4 m	None	None
③②	Control			1.8 m	None	None
③③	Power (integral part of PBX)			1.8 m	None	None
④②	Telephone	HH2-2484	Canon Inc	4 m	None	None



No 番号	Instrument 測定機器	Type 型番	Serial # シリアル番号	Mfr 製造元	Calibrated 校正日	Remarks 備考
①	バイコニカル・アンテナ Biconical Antenna	BBA-9106	N/A	Schwarzbeck	Feb 10, 94	30-300MHz
①	ログペリ・アンテナ Log Periodic Antenna	3146	8910-2525	EMCO3146	Feb 10, 94	200MHz-1GHz
①	ダイポール・アンテナ VHF Di-pole Antenna	VHA9103		Schwarzbeck	Aug 7, 97	Balun 30-300MHz
①	ループ・アンテナ Loop Antenna	HFH2-Z5	894554/006	Rohde & Schwartz		9KHz-30MHz
②	減衰器 Attenuator	MP721B	M30964	Anritsu	Monthly	6dB
③	プリアンプ Pre-Amplifier	8447D	2727A06190	HP	Mar 2, 98	25dB
④	減衰器 Step Attenuator	8494B	2812A16876	HP	Mar 4, 98	0dB
⑤	同軸スイッチ Coaxial Switch				Monthly	
⑥	同軸スイッチ Coaxial Switch				Monthly	
⑦	QPアダプタ Quasi-Peak Adapter	85650A	2811A01301	HP	Mar 3, 98	
⑧	スペアナ Spectrum Analyzer Display RF Unit	85662A 8567A	2848A18011 2926A00628	HP HP	Mar 3, 98 Mar 3, 98	10KHz-1.5GHz
⑨	レシーバ V/UHF Test Receiver	ESVP	892565/001	Rohde & Schwartz	Mar 3, 98	30MHz-1GHz
⑩	レシーバ HF Test Receiver	ESH3	893495/002	Rohde & Schwartz	Mar 17, 98	9KHz-30MHz
⑪	高周波ヒューズ HF Fuse	MP612A		Anritsu		
⑫	LISN 擬似電源網	ESH2-Z5 ESH2-Z5	893606/007 893606/008	Rohde & Schwartz Rohde & Schwartz	Mar 5, 98 Mar 5, 98	9KHz-30MHz 9KHz-30MHz
	スペアナ Spectrum Analyzer	8561E		HP	Apr 18, 96	30Hz-6.5GHz
	キガ帯用ホーン・アンテナ Double Bridged Waveguide Horn Antenna	11966E (EMCO No 3115)	9605-4834	HP (EMCO)	May 29, 96	
	Personal Computer Display	9153C	2732A24703 8925K03082	HP HP		
	プリアンプ Pre-Amplifier	8449B	3008A00769	HP	Feb 21, 94	1-26.5GHz

8. 測定時のアンテナ・ファクタ、ケーブル・ロス、アンプ・ゲイン

Antenna factors, Cable losses & Amp gains during Test

CANON INC.						CANON 3m S.A.C.					
						CANON 3m S.A.C.					
FREQ	ANTENNA FACTOR			CABLE	AMP	FREQ	ANTENNA FACTOR			CABLE	AMP
	DIP.	BROAD	BAND	LOSS	GAIN		DIP.	BROAD	BAND	LOSS	GAIN
		Hor	Ver					Hor	Ver		
[MHz]	[dB]	[dB]	[dB]	[dB]	[dB]	[MHz]	[dB]	[dB]	[dB]	[dB]	[dB]
30.00	-1.90	16.79	16.79	1.04	26.66	300.00	18.00	15.40	15.40	3.78	25.83
35.00	-.50	15.25	15.25	1.15	26.66	325.00	18.75	14.60	14.60	3.97	26.00
40.00	.65	14.27	14.27	1.24	26.65	350.00	19.50	14.80	14.80	4.15	26.19
45.00	1.65	12.67	12.67	1.34	26.63	375.00	20.10	15.50	15.50	4.31	26.46
50.00	2.60	11.06	11.06	1.41	26.61	400.00	20.70	16.80	16.80	4.52	26.70
55.00	3.50	9.72	9.72	1.48	26.59	425.00	21.25	17.10	17.10	4.69	26.83
60.00	4.25	8.00	8.00	1.51	26.57	450.00	21.80	17.50	17.50	4.81	27.10
65.00	4.95	7.28	7.28	1.59	26.56	475.00	22.40	18.20	18.20	4.97	27.17
70.00	5.60	6.45	6.45	1.67	26.55	500.00	23.00	18.80	18.80	5.12	27.33
75.00	6.20	6.38	6.38	1.75	26.54	525.00	23.50	19.00	19.00	5.32	27.41
80.00	6.75	6.83	6.83	1.82	26.53	550.00	24.00	19.30	19.30	5.44	27.52
85.00	7.30	7.44	7.44	1.88	26.51	575.00	24.40	19.50	19.50	5.57	27.48
90.00	7.80	8.28	8.28	1.93	26.49	600.00	24.80	19.70	19.70	5.69	27.54
95.00	8.25	9.06	9.06	1.99	26.47	625.00	25.15	20.10	20.10	5.84	27.43
100.00	8.70	9.85	9.85	2.04	26.43	650.00	25.50	20.40	20.40	5.98	27.50
105.00	9.15	10.26	10.26	2.10	26.39	675.00	25.90	21.60	21.60	6.15	27.43
110.00	9.55	11.14	11.14	2.16	26.37	700.00	26.30	21.80	21.80	6.23	27.38
115.00	9.90	11.78	11.78	2.24	26.35	725.00	26.65	21.70	21.70	6.40	27.40
120.00	10.30	12.59	12.59	2.27	26.34	750.00	27.00	21.60	21.60	6.53	27.36
125.00	10.70	12.86	12.86	2.33	26.33	775.00	27.35	21.70	21.70	6.61	27.18
130.00	11.00	13.23	13.23	2.38	26.33	800.00	27.70	21.70	21.70	6.76	27.25
135.00	11.35	13.77	13.77	2.43	26.31	825.00	28.02	22.60	22.60	6.90	27.14
140.00	11.70	14.10	14.10	2.47	26.31	850.00	28.35	22.90	22.90	7.04	27.07
145.00	12.00	14.38	14.38	2.52	26.28	875.00	28.68	23.70	23.70	7.12	27.06
150.00	12.25	14.58	14.58	2.57	26.24	900.00	29.00	23.50	23.50	7.33	26.97
155.00	12.60	14.80	14.80	2.63	26.20	925.00	29.32	23.70	23.70	7.36	26.82
160.00	12.85	15.18	15.18	2.67	26.16	950.00	29.65	24.00	24.00	7.44	26.86
165.00	13.10	15.46	15.46	2.72	26.13	975.00	29.97	24.60	24.60	7.59	26.82
170.00	13.35	15.66	15.66	2.78	26.11	1000.00	30.30	24.50	24.50	7.61	26.74
175.00	13.60	15.78	15.78	2.82	26.09	1000.01	0.00	24.30	24.30	7.61	26.74
180.00	13.85	15.72	15.72	2.82	26.08	1500.00	0.00	25.60	25.60	0.00	0.00
185.00	14.05	15.83	15.83	2.89	26.06	2000.00	0.00	28.40	28.40	0.00	0.00
190.00	14.30	16.19	16.19	2.92	26.03						
195.00	14.50	16.29	16.29	2.97	26.01						
200.00	14.75	16.36	16.36	2.99	25.98						
225.00	15.80	16.90	16.90	3.23	25.82						
250.00	16.70	17.06	17.06	3.41	25.74						
275.00	17.55	18.24	18.24	3.65	25.70						
300.00	18.30	20.08	20.08	3.78	25.83						

CANON 3m S.A.C.

04.03.1998

3m

SPE-ANA : HP8567A
RECEIVER: R/S ESVP
PREAMP : HP8447D

NOTES

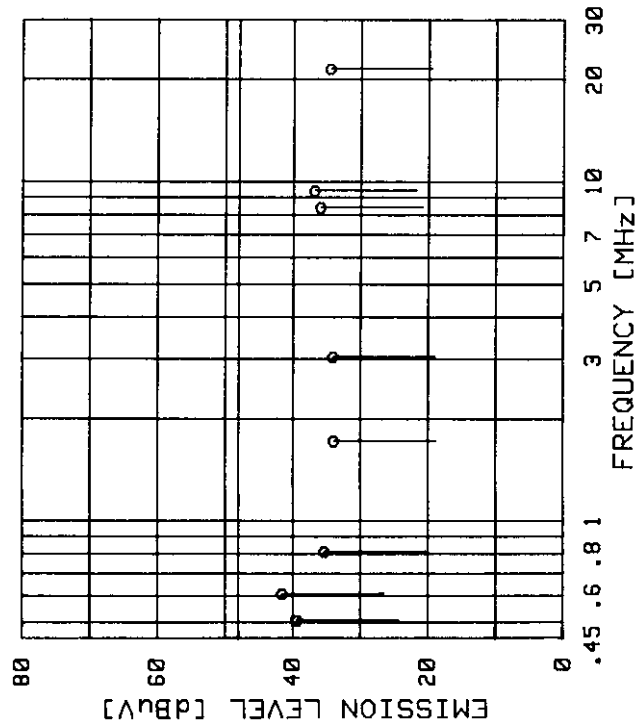
Engineer, _____

FREQ. [MHz]	INPUT [dBuV]	READING [dBuV]			ATT [dB]	LOSS [dB]	AMP [dB]	CORR [dB]	CORR'D [dBuV]			DIFF. [dB]		
		S.A	QP	AV					S.A	QP	AV	S.A	QP	AV
30.0	40	60.34	59.60	59.50	6.00	1.04	26.66	19.62	40.72	39.98	39.88	.72	-.02	-.12
	30	50.46	49.20	49.50					30.84	29.58	29.88	.84	-.42	-.12
100.0	40	58.71	58.10	58.30	6.00	2.04	26.43	18.39	40.32	39.71	39.91	.32	-.29	-.09
	30	49.04	48.20	48.30					30.65	29.81	29.91	.65	-.19	-.09
300.0	40	56.08	55.50	55.80	6.00	3.78	25.83	16.05	40.03	39.45	39.75	.03	-.55	-.25
	30	46.34	45.70	45.80					30.29	29.65	29.75	.29	-.35	-.25
600.0	40	56.53	55.60	55.50	6.00	5.69	27.54	15.85	40.68	39.75	39.65	.68	-.25	-.35
	30	46.78	45.70	45.50					30.93	29.85	29.65	.93	-.15	-.35
990.0	40	54.14	53.20	52.80	6.00	7.60	26.77	13.17	40.97	40.03	39.63	.97	.03	-.37
	30	44.48	43.40	42.90					31.31	30.23	29.73	1.31	.23	-.27

CANON INC. CANON 3m S.A.C. INTERFERENCE VOLTAGE TEST

APPLICANT : CANON INC.
 MODEL NUMBER : H12146
 SERIAL NUMBER : DE-001
 POWER SOURCE : AC 120V/60Hz
 DESCRIPTION : STANDBY MODE
 DATE TESTED : 05.21.1998
 FILE NUMBER : G398012
 REGULATION : FCC Part15B CLASS B
 according to : ANSI C63.4-1992
 LISN : ESH2-Z5
 No. of PHASE : SINGLE PHASE

ENGINEER : Kazuhiko Yagi
 KAZUHIRO YAGI



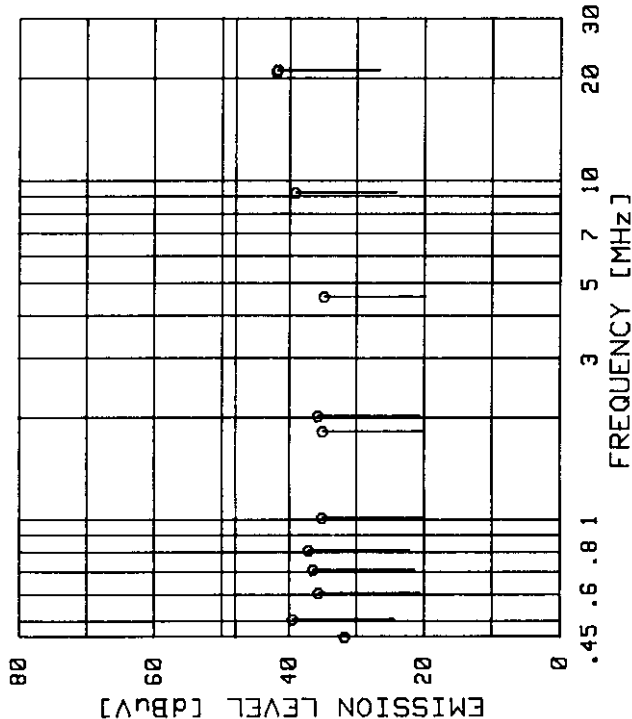
No	FREQ	NEUTRAL	LINE 1	LINE 2	LINE 3	LISN	EMI	FCC	MARGIN
	[MHz]	OP	AVE	OP	AVE	OP	AVE	LEVEL	LIMIT
		[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]	[dBuV]	[dB]
1	.5000	39.3	-	38.9	-	-	-	39.3	48.0
2	.6000	41.5	-	41.1	-	-	-	41.5	48.0
3	.8120	35.0	-	35.3	-	-	-	35.3	48.0
4	1.7250	33.3	-	33.9	-	-	-	33.9	48.0
5	3.0440	33.1	-	34.0	-	-	-	34.0	48.0
6	8.4210	29.1	-	35.9	-	-	-	35.9	48.0
7	9.4320	29.4	-	36.8	-	-	-	36.8	48.0
8	21.5100	20.7	-	34.5	-	-	-	34.5	48.0

OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC LIMIT

CANON INC. CANON 3m S.A.C. INTERFERENCE VOLTAGE TEST

APPLICANT : CANON INC.
 MODEL NUMBER : H12146
 SERIAL NUMBER : DE-001
 POWER SOURCE : AC 120V/60Hz
 DESCRIPTION : COPY MODE
 DATE TESTED : 05.21.1998
 FILE NUMBER : G398012
 REGULATION : FCC Part15B CLASS B
 according to : ANSI C63.4-1992
 LISN : ESH2-Z5
 No. of PHASE : SINGLE PHASE

ENGINEER : KAZUHIRO YAGI



No	FREQ [MHz]	NEUTRAL OP AVE [dBuV]	LINE 1 QP AVE [dBuV]	LINE 2 QP AVE [dBuV]	LINE 3 AVE QP [dBuV]	LISN EMI FACT LEVEL [dB]	FCC MARGIN LIMIT [dBuV]
1	.4500	31.7	-	31.2	-	-	31.7 48.0 16.3
2	.5000	39.4	-	38.2	-	-	39.4 48.0 8.6
3	.6090	35.6	-	34.2	-	-	35.6 48.0 12.4
4	.7120	35.4	-	36.0	-	-	36.4 48.0 11.6
5	.8120	37.1	-	35.7	-	-	37.1 48.0 10.9
6	1.0160	34.8	-	35.1	-	-	35.1 48.0 12.9
7	1.8270	34.1	-	35.0	-	-	35.0 48.0 13.0
8	2.0300	34.5	-	35.7	-	-	35.7 48.0 12.3
9	4.5650	32.5	-	34.8	-	-	34.8 48.0 13.2
10	9.2300	32.4	-	39.1	-	-	39.1 48.0 8.9
11	21.0320	27.8	-	41.9	-	-	41.9 48.0 6.1
12	21.1990	22.5	-	41.7	-	-	41.7 48.0 6.3

OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC LIMIT

MEASUREMENT OF CONDUCTED POWERLINE

COMPANY CANON INC. DATE 05.21.1998

EUT	NAME	FACSIMILE
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
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90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

MODEL No. H12146

SITE CANON 3m S.A.C.

MODEL No.

ENGINEER

MODEL No.

REGULATION FCC Part 15B CLASS B

MODEL No.

LISN R/S ESH2-Z5

RECEIVER R/S ESH2

RECEIVER S/N 893495/002

NOTES: AC 120 V / 60 Hz

COPY MODE

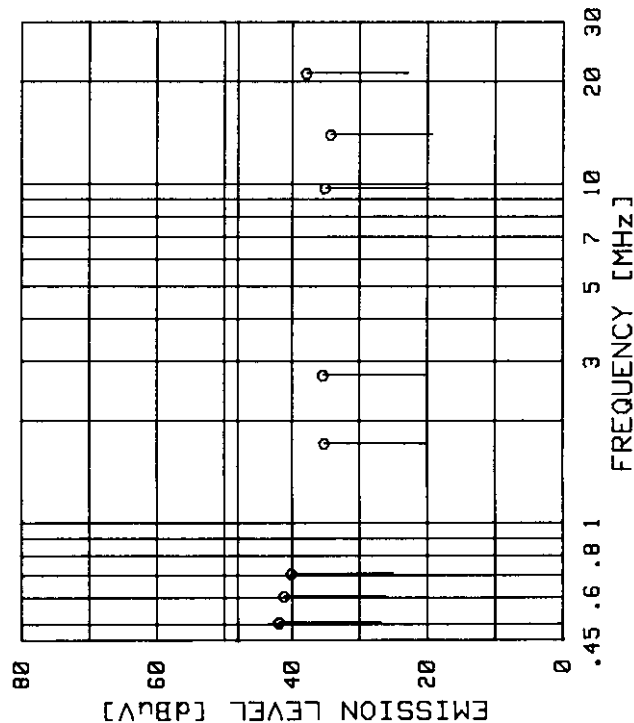
[dBuV]

[illegible]

CANON INC. CANON 3m S.A.C. INTERFERENCE VOLTAGE TEST

APPLICANT : CANON INC.
 MODEL NUMBER : H12146
 SERIAL NUMBER : DE-001
 POWER SOURCE : AC 120V/60Hz
 DESCRIPTION : TX MODE
 DATE TESTED : 05.21.1998
 FILE NUMBER : G398012
 REGULATION : FCC Part15B CLASS B
 according to : ANSI C63.4-1992
 LISN : ESH2-Z5
 No. of PHASE : SINGLE PHASE

ENGINEER : KAZUHIRO YAGI



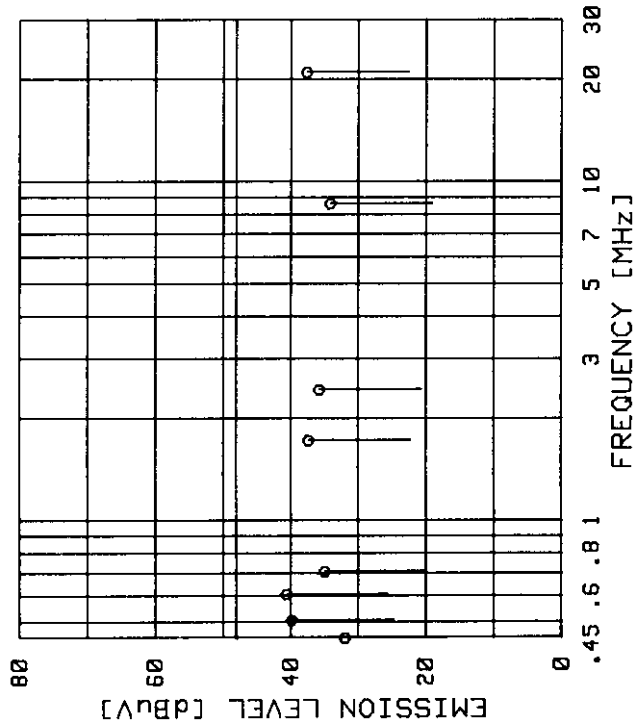
No	FREQ	NEUTRAL		LINE 1		LINE 2		LINE 3		LISN	EMI	FCC	MARGIN
	[MHz]	QP	AVE	QP	AVE	QP	AVE	QP	AVE	FACT	LEVEL	LIMIT	
		[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
1	.5080	41.8	-	41.5	-	-	-	-	-	-	41.8	48.0	6.2
2	.6090	41.1	-	41.1	-	-	-	-	-	-	41.1	48.0	6.9
3	.7110	39.8	-	40.0	-	-	-	-	-	-	40.0	48.0	8.0
4	1.7270	34.7	-	35.1	-	-	-	-	-	-	35.1	48.0	12.9
5	2.7400	33.9	-	35.3	-	-	-	-	-	-	35.3	48.0	12.7
6	9.7400	27.6	-	35.0	-	-	-	-	-	-	35.0	48.0	13.0
7	14.0030	18.5	-	34.2	-	-	-	-	-	-	34.2	48.0	13.8
8	21.2100	22.5	-	37.8	-	-	-	-	-	-	37.8	48.0	10.2

OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC LIMIT

CANON INC. CANON 3m S.A.C. INTERFERENCE VOLTAGE TEST

APPLICANT : CANON INC.
 MODEL NUMBER : H12146
 SERIAL NUMBER : DE-001
 POWER SOURCE : AC 120V/60Hz
 DESCRIPTION : RX MODE
 DATE TESTED : 05.21.1998
 FILE NUMBER : G398012
 REGULATION : FCC Part15B CLASS B
 according to : ANSI C63.4-1992
 LISN : ESH2-Z5
 No. of PHASE : SINGLE PHASE

ENGINEER : KAZUHIRO YAGI



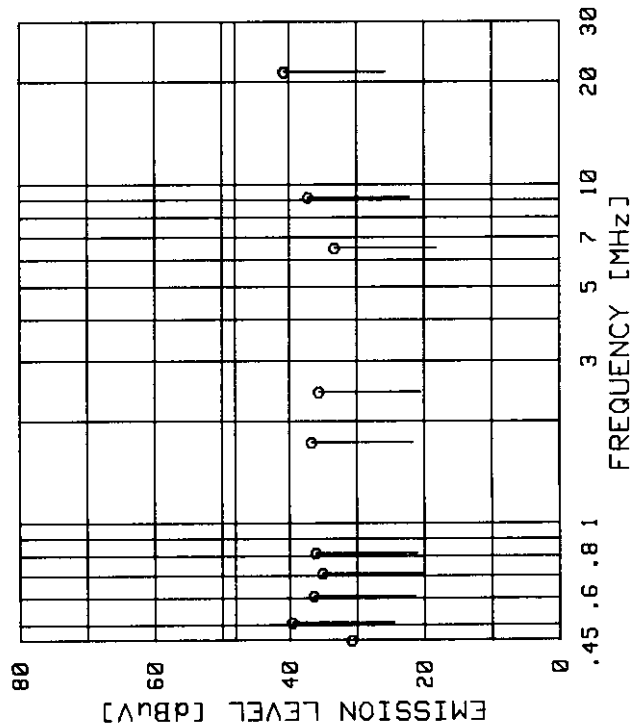
No	FREQ [MHz]	NEUTRAL OP AVE [dBuV]	LINE 1 AVE OP [dBuV]	LINE 2 AVE OP [dBuV]	LINE 3 AVE OP [dBuV]	LISN FRACT [dB]	EMI LEVEL [dB]	FCC LIMIT [dBuV]	MARGIN [dB]
1	.4500	31.5	31.8	-	-	-	31.8	48.0	16.2
2	.5000	39.7	39.4	-	-	-	39.7	48.0	8.3
3	.6000	40.5	40.0	-	-	-	40.5	48.0	7.5
4	.7110	34.5	34.8	-	-	-	34.8	48.0	13.2
5	1.7310	37.2	37.1	-	-	-	37.2	48.0	10.8
6	2.4420	34.5	35.6	-	-	-	35.6	48.0	12.4
7	8.6450	25.6	34.0	-	-	-	34.0	48.0	14.0
8	21.0500	20.2	37.5	-	-	-	37.5	48.0	10.5

OTHER FREQUENCIES : MORE THAN 18dB BELOW THE FCC LIMIT

CANON INC. CANON 3m S.A.C. INTERFERENCE VOLTAGE TEST

APPLICANT : CANON INC.
 MODEL NUMBER : H12146
 SERIAL NUMBER : DE-001
 POWER SOURCE : AC 120V/60Hz
 DESCRIPTION : PRINT MODE
 DATE TESTED : 05.21.1998
 FILE NUMBER : G398012
 REGULATION : FCC Part15B CLASS B
 according to : ANSI C63.4-1992
 LISN : ESH2-Z5
 No. of PHASE : SINGLE PHASE

ENGINEER : *Kazuhiko Yagi*
 KAZUHIRO.YAGI



No	FREQ [MHz]	NEUTRAL OP AVE [dBuV]	LINE 1 OP AVE [dBuV]	LINE 2 OP AVE [dBuV]	LINE 3 OP AVE [dBuV]	LIN FRACT [dB]	EMI LEVEL [dBuV]	FCC MARGIN [dB]
1	.4500	30.7	30.3	-	-	-	30.7	48.0
2	.5000	39.5	38.4	-	-	-	39.5	48.0
3	.6090	36.3	35.7	-	-	-	36.3	48.0
4	.7110	35.0	33.6	-	-	-	35.0	48.0
5	.8150	36.0	35.9	-	-	-	36.0	48.0
6	1.7300	36.1	36.6	-	-	-	36.6	48.0
7	2.4400	33.9	35.5	-	-	-	35.5	48.0
8	6.5070	28.9	33.2	-	-	-	33.2	48.0
9	9.1490	30.6	37.1	-	-	-	37.1	48.0
10	21.3480	27.8	40.6	-	-	-	40.6	48.0
11	21.4520	26.7	40.7	-	-	-	40.7	48.0

OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC LIMIT

MEASUREMENT OF CONDUCTED POWERLINE

COMPANY CANON INC. DATE 05.21.1998

EUT	NAME	FACSIMILE
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
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95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

MODEL No. H12146

SITE CANON 3m S.A.C.

MODEL No.

ENGINEER *Hazalwa Yagci*

MODEL No.

REGULATION FCC Part15B CLASS B

MODEL No.

LISN R/S ESH2-Z5

RECEIVER R/S ESH2

RECEIVER S/N 893495/002

NOTES: AC 120 V / 60 Hz

PRINT MODE

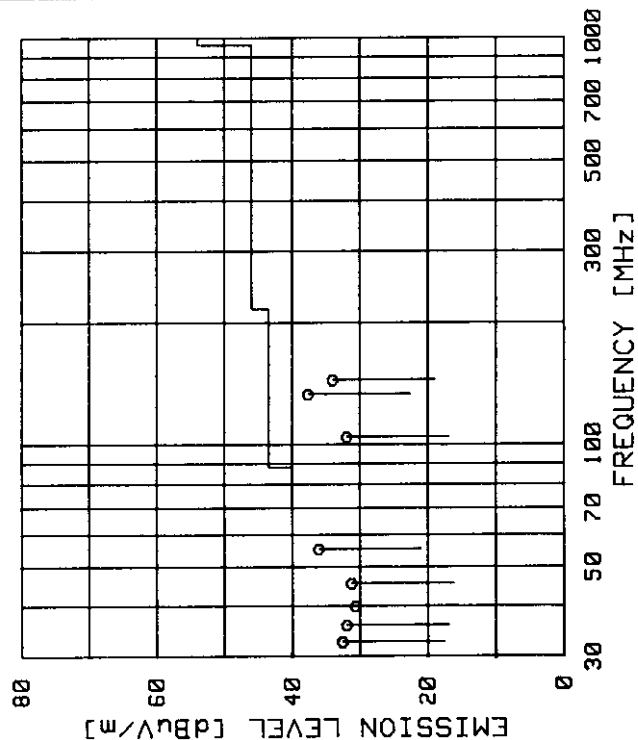
[dBUV]

[illegible]

CANON INC. CANON 3m S.A.C. INTERFERENCE RADIATION TEST

APPLICANT : CANON INC.
 MODEL NUMBER : H12146
 SERIAL NUMBER : DE-001
 POWER SOURCE : AC 120V/60Hz
 DESCRIPTION : STANDBY MODE
 DATE TESTED : 05.20.1998
 FILE NUMBER : G398012
 REGULATION : FCC Part15B CLASS B
 according to : ANSI C63.4-1992
 ANT.PAD [dB] : 6.0
 DISTANCE [m] : 3.0

ENGINEER : *Kazuhiro Yagi* KAZUHIRO.YAGI



No	FREQ [MHz]	ANT BC	READING Hor Ver [dBuV]	ANT FACTOR Hor Ver [dB]	CABLE LOSS [dB]	RMP GAIN [dB]	EMISSION LEVEL [dBuV/m]	FCC LIMIT [dB]	MARGIN [dB]
1	32.64	BC	25.10 36.10	15.97 15.97	1.09	26.66	32.50	40.00	7.50
2	35.91	BC	28.50 36.30	15.07 15.07	1.16	26.65	31.88	40.00	8.12
3	40.02	BC	24.30 35.80	14.26 14.26	1.24	26.65	30.65	40.00	9.35
4	45.60	BC	23.50 38.00	12.47 12.47	1.34	26.62	31.19	40.00	8.81
5	55.26	BC	37.60 45.50	9.63 9.63	1.48	26.58	36.03	40.00	3.97
6	104.27	BC	38.10 40.00	10.20 10.20	2.09	26.39	31.90	43.50	11.60
7	133.33	BC	41.90 36.50	13.59 13.59	2.41	26.31	37.59	43.50	5.91
8	144.32	BC	37.40 31.90	14.34 14.34	2.51	26.28	33.97	43.50	9.53

OTHER FREQUENCIES : MORE THAN 100dB BELOW THE FCC Part15B CLASS B LIMIT

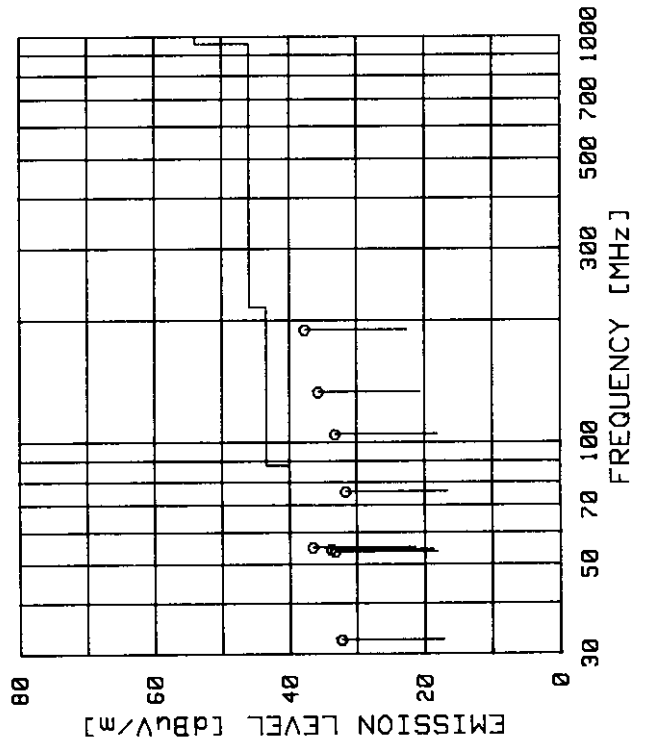
EMISSION LEVEL = READING LEVEL + ANTENNA FACTOR + CABLE LOSS
 - RMP GAIN + ANTENNA PAD

THE TEMPERATURE IS 21 °C AND THE HUMIDITY IS 50 %.

CANON INC. CANON 3m S.A.C. INTERFERENCE RADIATION TEST

APPLICANT : CANON INC.
 MODEL NUMBER : H12146
 SERIAL NUMBER : DE-001
 POWER SOURCE : AC 120V/60Hz
 DESCRIPTION : COPY MODE
 DATE TESTED : 05.20.1998
 FILE NUMBER : G398012
 REGULATION : FCC Part15B CLASS B
 according to : ANSI C63.4-1992
 ANT.PAD [dB] : 6.0
 DISTANCE [m] : 3.0

ENGINEER : *Kazuhiro Yagi* KAZUHIRO, YAGI



No	FREQ [MHz]	ANT	READING Hor Ver [dBuV]	ANT FACTOR Hor Ver [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	EMISSION LEVEL [dBuV/m]	FCC LIMIT	MARGIN
1	32.61	BC	25.00 35.80	15.98 15.98	1.09	26.66	32.21	40.00	7.79
2	53.89	BC	33.30 42.30	10.01 10.01	1.46	26.59	33.18	40.00	6.82
3	54.62	BC	33.80 43.10	9.82 9.82	1.47	26.59	33.80	40.00	6.20
4	55.27	BC	36.50 46.00	9.62 9.62	1.48	26.58	36.52	40.00	3.48
5	75.97	BC	39.80 43.90	6.46 6.46	1.76	26.53	31.59	40.00	8.41
6	105.12	BC	41.10 41.20	10.28 10.28	2.10	26.39	33.19	43.50	10.31
7	133.31	BC	40.00 35.50	13.58 13.58	2.41	26.31	35.68	43.50	7.82
8	190.04	BC	38.60 29.50	16.19 16.19	2.92	26.03	37.68	43.50	5.82

OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC Part15B CLASS B LIMIT

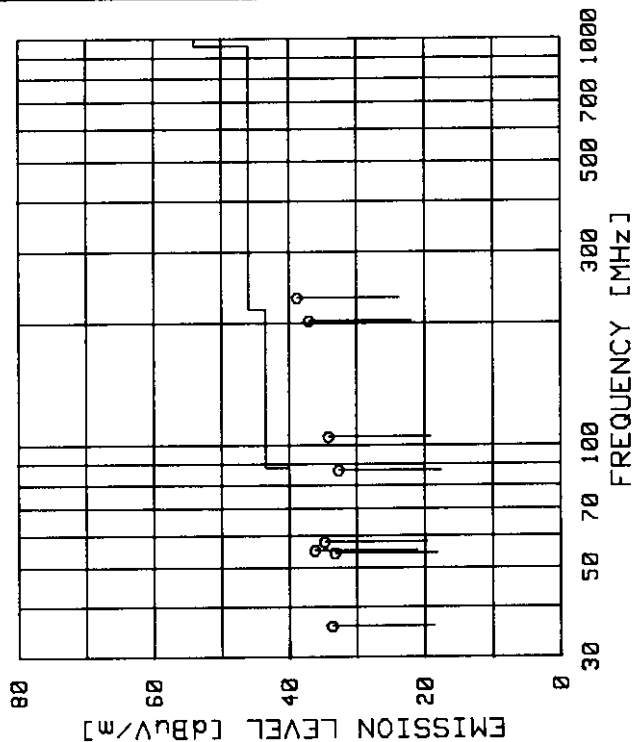
EMISSION LEVEL = READING LEVEL + ANTENNA FACTOR + CABLE LOSS
 - AMP GAIN + ANTENNA PAD

THE TEMPERATURE IS 20 °C AND THE HUMIDITY IS 50 %.

CANON INC. CANON 3m S.A.C. INTERFERENCE RADIATION TEST

APPLICANT : CANON INC.
 MODEL NUMBER : H12146
 SERIAL NUMBER : DE-001
 POWER SOURCE : AC 120V/60Hz
 DESCRIPTION : TX MODE
 DATE TESTED : 05.20.1998
 FILE NUMBER : G398012
 REGULATION : FCC Part15B CLASS B
 according to : ANSI C63.4-1992
 ANT.PAD [dB] : 6.0
 DISTANCE [m] : 3.0

ENGINEER : Kazuhiko Yagi KAZUHIRO.YAGI



No	FREQ [MHz]	ANT BC	READING		ANT FACTOR		CABLE LOSS [dB]	RMP GAIN [dB]	EMISSION LEVEL [dBuV/m]	FCC LIMIT [dB]	MARGIN
			Hor	Ver	Hor	Ver					
1	35.93	BC	28.50	38.00	15.06	15.06	1.16	26.65	33.57	40.00	6.43
2	54.43	BC	33.80	42.40	9.87	9.87	1.47	26.59	33.15	40.00	6.85
3	55.26	BC	36.70	45.60	9.63	9.63	1.48	26.58	36.13	40.00	3.87
4	58.03	BC	36.00	45.10	8.67	8.67	1.49	26.57	34.69	40.00	5.31
5	87.03	BC	43.40	40.90	7.78	7.78	1.90	26.50	32.58	40.00	7.42
6	105.13	BC	41.00	42.10	10.28	10.28	2.10	26.39	34.09	43.50	9.41
7	203.07	BC	37.50	31.00	16.42	16.42	3.02	25.96	36.98	43.50	6.52
8	232.10	BC	38.30	34.40	16.94	16.94	3.28	25.79	38.73	46.00	7.27

OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC Part15B CLASS B LIMIT

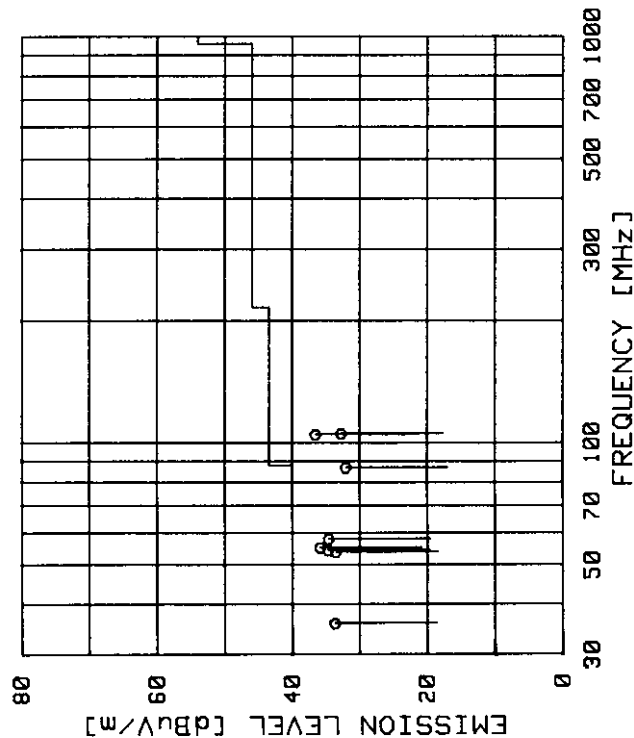
EMISSION LEVEL = READING LEVEL + ANTENNA FACTOR + CABLE LOSS
 - RMP GAIN + ANTENNA PAD

THE TEMPERATURE IS 20 °C AND THE HUMIDITY IS 50 %.

CANON INC. CANON 3m S.A.C. INTERFERENCE RADIATION TEST

APPLICANT : CANON INC.
 MODEL NUMBER : H12146
 SERIAL NUMBER : DE-001
 POWER SOURCE : AC 120V/60Hz
 DESCRIPTION : RX MODE
 DATE TESTED : 05.20.1998
 FILE NUMBER : G398012
 REGULATION : FCC Part15B CLASS B
 according to : ANSI C63.4-1992
 ANT. PAD [dB] : 6.0
 DISTANCE [m] : 3.0

ENGINEER : *Kazuhiko Yagi*
 KAZUHIRO. YAGI



No	FREQ [MHz]	ANT	READING Hor Ver [dBuV]	ANT FACTOR Hor Ver [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	EMISSION LEVEL [dBuV/m]	FCC MARGIN
1	35.93	BC	31.10 38.00	15.06 15.06	1.16	26.65	33.57	40.00 6.43
2	53.91	BC	37.50 42.60	10.01 10.01	1.46	26.59	33.48	40.00 6.52
3	54.42	BC	34.50 43.90	9.87 9.87	1.47	26.59	34.65	40.00 5.35
4	55.27	BC	36.60 45.30	9.62 9.62	1.48	26.58	35.82	40.00 4.18
5	58.03	BC	36.00 45.00	8.67 8.67	1.49	26.57	34.59	40.00 5.41
6	87.03	BC	42.80 40.20	7.78 7.78	1.90	26.50	31.98	40.00 8.02
7	105.15	BC	42.00 44.50	10.28 10.28	2.10	26.39	36.49	43.50 7.01
8	105.70	BC	33.40 40.60	10.38 10.38	2.10	26.30	32.70	43.50 10.80

OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC Part15B CLASS B LIMIT

EMISSION LEVEL = READING LEVEL + ANTENNA FACTOR + CABLE LOSS
 - AMP GAIN + ANTENNA PAD

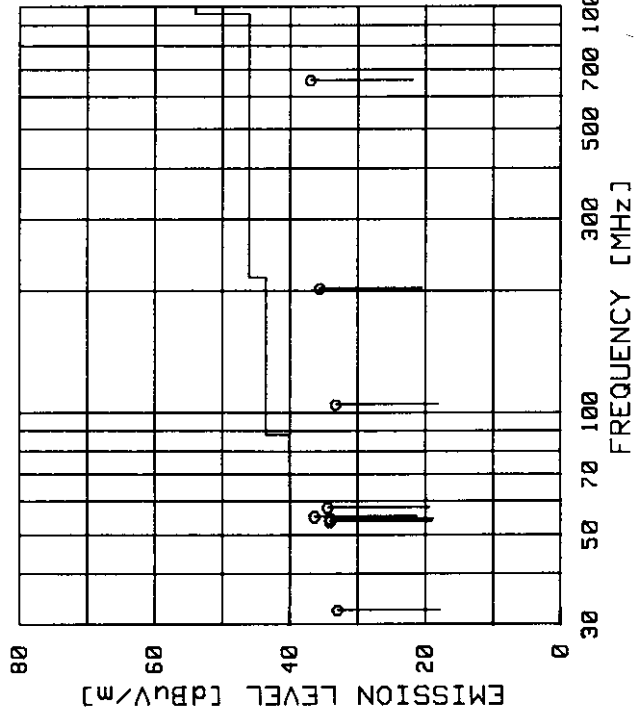
THE TEMPERATURE IS 22 °C AND THE HUMIDITY IS 53 %.

CANON INC. CANON 3m S.A.C. INTERFERENCE RADIATION TEST

APPLICANT : CANON INC.
 MODEL NUMBER : H12146
 SERIAL NUMBER : DE-001
 POWER SOURCE : AC 120V/60Hz
 DESCRIPTION : PRINT MODE
 DATE TESTED : 05.20.1998
 FILE NUMBER : G398012
 REGULATION : FCC Part15B CLASS B
 according to : ANSI C63.4-1992
 ANT.PAD [dB] : 6.0
 DISTANCE [m] : 3.0

ENGINEER :

KAZUHIRO.YAGI



No	FREQ [MHz]	ANT [dB]	READING Hor Ver [dBuV]	ANT FACTOR Hor Ver [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	EMISSION LEVEL [dBuV/m]	FCC LIMIT	MARGIN
1	32.66	BC	25.90 36.40	15.97 15.97	1.09	26.66	32.80	40.00	7.20
2	53.90	BC	36.30 43.10	10.01 10.01	1.46	26.59	33.98	40.00	6.02
3	54.48	BC	35.30 43.10	9.86 9.86	1.47	26.59	33.84	40.00	6.16
4	55.27	BC	37.50 45.70	9.62 9.62	1.48	26.58	36.22	40.00	3.78
5	58.03	BC	35.10 44.70	8.67 8.67	1.49	26.57	34.29	40.00	5.71
6	105.12	BC	41.10 40.60	10.28 10.28	2.10	26.39	33.09	43.50	10.41
7	203.10	BC	36.00 30.50	16.42 16.42	3.02	25.96	35.48	43.50	8.02
8	660.03	LP	31.30 31.40	20.88 20.88	6.04	27.47	36.85	46.00	9.15

OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC Part15B CLASS B LIMIT

EMISSION LEVEL = READING LEVEL + ANTENNA FACTOR + CABLE LOSS

- AMP GAIN + ANTENNA PAD

THE TEMPERATURE IS 20 °C AND THE HUMIDITY IS 50 %.

