

EMI TEST REPORT

Contents

1. 申請者と被試験機に関する事項
Applicant/EUT Identification
2. 適用規格
Applicable Regulations
3. 測定結果と要約
Test Result & Summary
4. 測定レポートの発行
Issue of Test Report
5. 試験構成
Test Setup
6. 試験構成写真
Photos of Test Setup
7. 使用測定機器
Instruments Used
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 used during Test
9. 測定データ詳細
Test Data

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 | <input type="checkbox"/> Verification | | <input checked="" type="checkbox"/> Certification FCC ID:AZDH12105 |
| 被試験機の種類 Category of EUT | <input type="checkbox"/> Class A digital device | | <input checked="" type="checkbox"/> Class B digital device |
| | <input type="checkbox"/> Class B digital device | | <input type="checkbox"/> Personal computer <input checked="" type="checkbox"/> Computer peripheral |
| モデル番号 Model Number | H 1 2 1 4 6 | | |
| 名称 Trade Name | Canon | Usage: <input checked="" type="checkbox"/> Facsimile (PSTN <input checked="" type="checkbox"/> 1 port <input type="checkbox"/> 2 ports) <input checked="" type="checkbox"/> Copier <input checked="" type="checkbox"/> Printer (<input type="checkbox"/> BJ <input checked="" type="checkbox"/> LBP) <input checked="" type="checkbox"/> Scanner (<input checked="" type="checkbox"/> Color <input checked="" type="checkbox"/> Monochrome) <input type="checkbox"/> with LAN ports <input checked="" type="checkbox"/> 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 <input type="checkbox"/> A <input checked="" type="checkbox"/> B | CISPR Pub 22 Class <input type="checkbox"/> A <input type="checkbox"/> 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 | <input checked="" type="checkbox"/> 1GHz (for used clock 1.705-108MHz) <input type="checkbox"/> 2GHz (for used clock 108-500MHz) <input type="checkbox"/> See Remarks. |
| 使用電源 Powered by | <input checked="" type="checkbox"/> 120VAC 60Hz <input type="checkbox"/> Battery <input type="checkbox"/> PSTN | | |

3. 測定結果 Test Result




| | | | | |
|------------------------------|--|--------------------------|------------------|---------------|
| 判定 Judgement | <input checked="" type="checkbox"/> Passed <input type="checkbox"/> Failed <input type="checkbox"/> 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 函電No.4 その他 ()

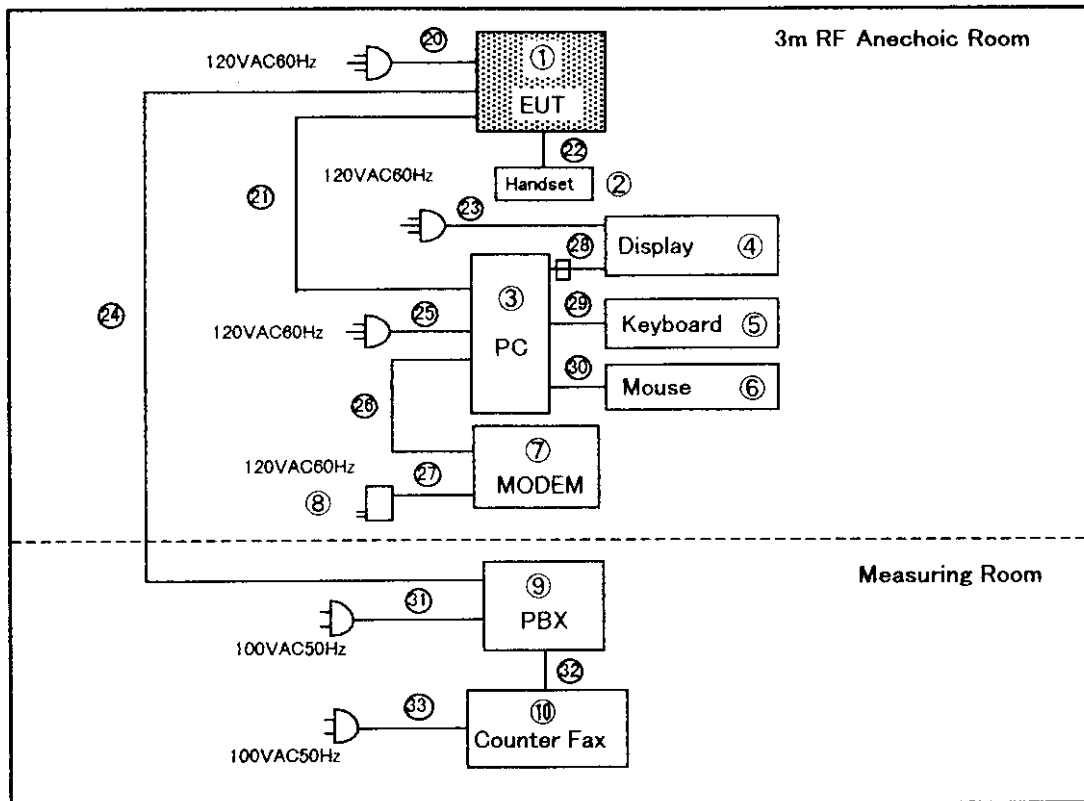
EUTの動作モード Mode of operation: Standby, Copy, Tx, Rx, Print

特記事項 Remarks

4. 測定レポートの発行 Issue of Test Report

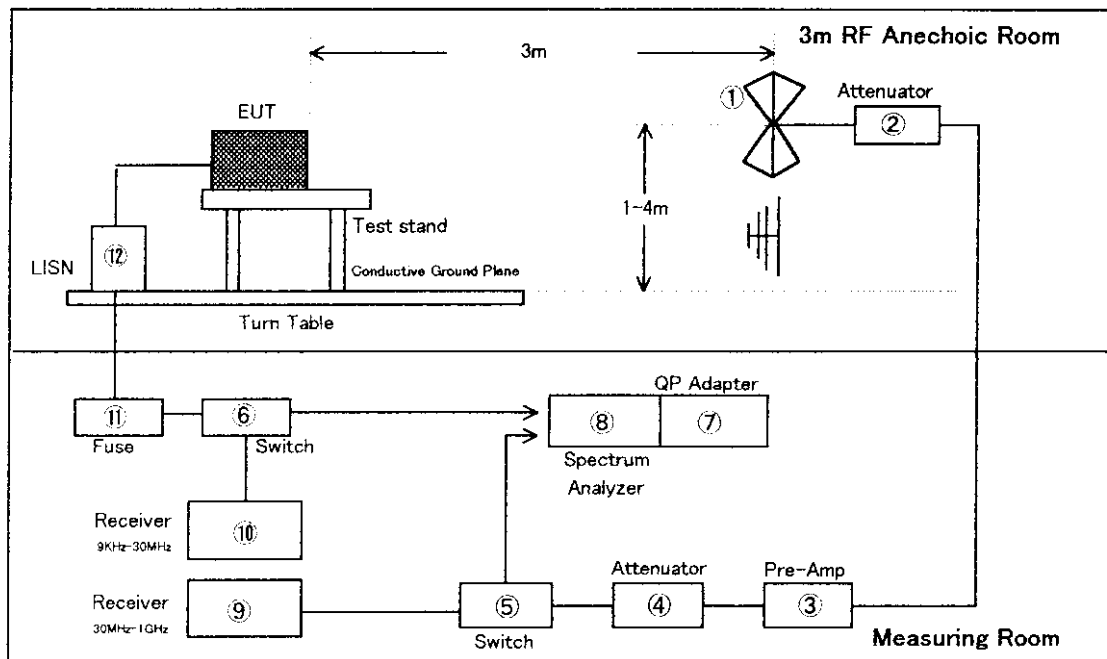
| | | | |
|-----------------------------|---|--|-----------------------|
| レポートの発行 Report issued by | Canon Inc. | 発行日 Issued | 1998年(Y) 5月(M) 28日(D) |
| 住所 Address | 3-30-2 Shimomaruko, Ohta-ku, Tokyo146, Japan | | |
| 測定場所 Site | Canon G3 RF Anechoic Room, 3-30-2 Shimomaruko, Ohta-ku, Tokyo 146, Japan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

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 | 140536-119 | 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 | - | Kubo 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 |
|--------|----------------------------------|----------|-----------|-----------|----------------|----------------|
| ⑳ | Power | WT3-5068 | Canon Inc | 2 m | None | None |
| ㉑ | Centronix | | | 1.5 m | Shield | None |
| ㉒ | Handset | | | 1 m | None | None |
| ㉓ | Power (integral part of Display) | | | 1.8 m | None | None |
| ㉔ | Telephone | HH2-2501 | Canon Inc | 2.9 m | None | None |
| ㉕ | Power | | | 1.9 m | None | None |
| ㉖ | RS | | | 1.5 m | None | None |
| ㉗ | AC | | | 1 m | None | None |
| ㉘ | Video | | | 1.8 m | Shield | 1 |
| ㉙ | Control | | | 1.4 m | None | None |
| ㉚ | Control | | | 1.8 m | None | None |
| ㉛ | Power (integral part of PBX) | | | 1.8 m | None | None |
| ㉜ | 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 | ログペリド・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. | | | | | | CANON 3m S.A.C. | | | | | |
| FREQ [MHz] | ANTENNA FACTOR | | | CABLE LOSS [dB] | AMP GAIN [dB] | FREQ [MHz] | ANTENNA FACTOR | | | CABLE LOSS [dB] | AMP GAIN [dB] |
| | DIP. [dB] | BROAD BAND | | | | | DIP. [dB] | BROAD BAND | | | |
| | | Hor [dB] | Ver [dB] | | | | | Hor [dB] | Ver [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 | -1.50 | 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, _____

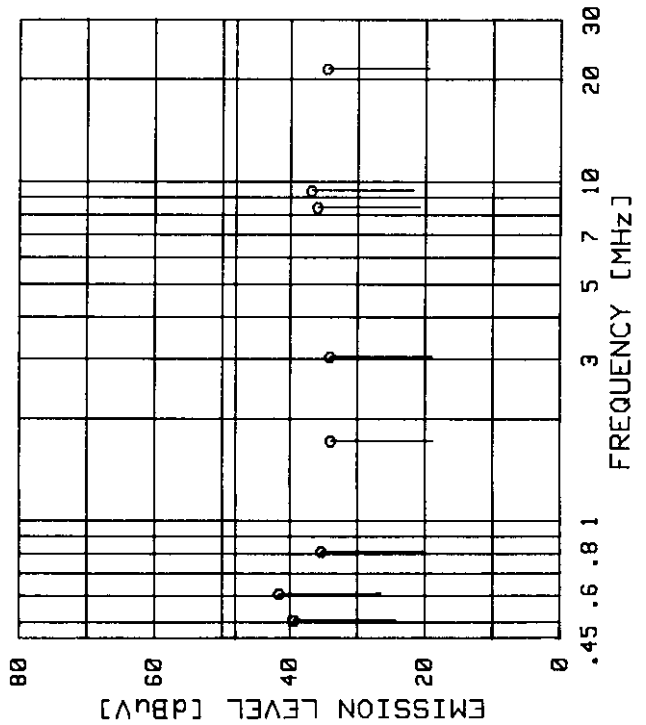
| FREQ. [MHz] | INPUT [dBuV] | READING [dBuV] | | | ATT [dB] | LOSS [dB] | AMP [dB] | CORR [dB] | CORR'D [dBuV] | | | DIFF. [dB] | | |
|----------------|-----------------|----------------|-------|-------|-------------|--------------|-------------|--------------|---------------|-------|-------|------------|------|------|
| | | 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 : *Kazuhiro Yagi*
 KAZUHIRO YAGI



| No | FREQ [MHz] | NEUTRAL OP [dBuV] | AVE OP [dBuV] | LINE 1 OP [dBuV] | AVE OP [dBuV] | LINE 2 OP [dBuV] | AVE OP [dBuV] | LINE 3 OP [dBuV] | EMI LEVEL LIMIT [dB] | FCC MARGIN [dB] | |
|----|------------|-------------------|---------------|------------------|---------------|------------------|---------------|------------------|----------------------|-----------------|------|
| 1 | .5000 | 39.3 | - | 38.9 | - | - | - | - | 39.3 | 48.0 | 8.7 |
| 2 | .6090 | 41.5 | - | 41.1 | - | - | - | - | 41.5 | 48.0 | 6.5 |
| 3 | .8120 | 35.0 | - | 35.3 | - | - | - | - | 35.3 | 48.0 | 12.7 |
| 4 | 1.7250 | 33.3 | - | 33.9 | - | - | - | - | 33.9 | 48.0 | 14.1 |
| 5 | 3.0440 | 33.1 | - | 34.0 | - | - | - | - | 34.0 | 48.0 | 14.0 |
| 6 | 8.4210 | 29.1 | - | 35.9 | - | - | - | - | 35.9 | 48.0 | 12.1 |
| 7 | 9.4370 | 29.4 | - | 36.8 | - | - | - | - | 36.8 | 48.0 | 11.2 |
| 8 | 21.5100 | 20.7 | - | 34.5 | - | - | - | - | 34.5 | 48.0 | 13.5 |

OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC LIMIT

MEASUREMENT OF CONDUCTED POWERLINE

COMPANY CANON INC. DATE 05.21.1998EUT NAME FACSIMILEMODEL No. H12146 SITE CANON 3m S.A.C.MODEL No. _____ ENGINEER *Ragotzke page*MODEL No. _____ REGULATION FCC Part15B CLASS BMODEL No. _____ LISN R/S ESH2-Z5RECEIVER R/S ESH2 RECEIVER S/N 893495/002NOTES: AC 120 V / 60 Hz

STANDBY MODE

[dBuV]

| FREQ. [MHz] | Reading N | | Reading L1 | | Reading L2 | | Reading L3 | |
|----------------|-----------|---------|------------|---------|------------|---------|------------|---------|
| | Q-Peak | Average | Q-Peak | Average | Q-Peak | Average | Q-Peak | Average |
| 0.5080 | 39.3 | | 38.9 | | | | | |
| 0.6090 | 41.5 | | 41.1 | | | | | |
| 0.8120 | 35.0 | | 35.3 | | | | | |
| 1.7250 | 33.3 | | 33.9 | | | | | |
| 3.0440 | 33.1 | | 34.0 | | | | | |
| 8.4210 | 29.1 | | 35.9 | | | | | |
| 9.4370 | 29.4 | | 36.8 | | | | | |
| 21.5100 | 20.7 | | 39.5 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

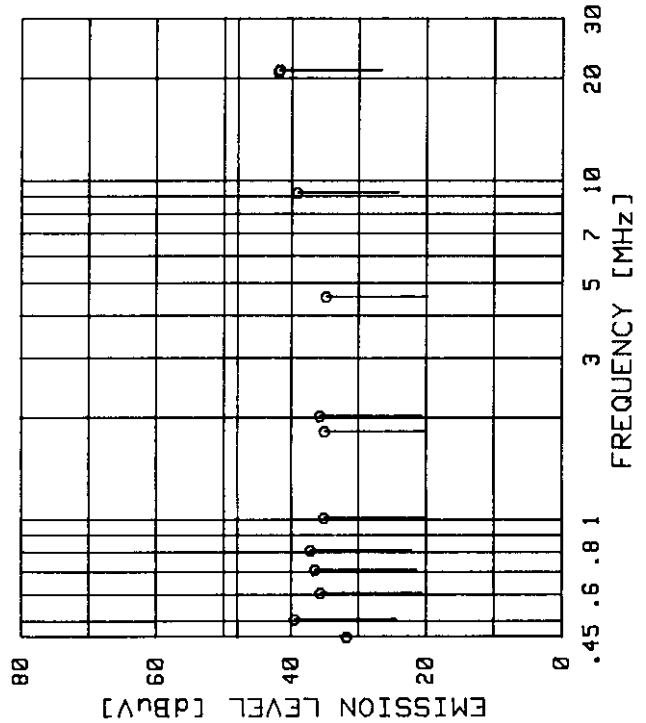
CANON INC. CANON 3m S.A.C.

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

Kazuhiro Yagi

ENGINEER : KAZUHIRO. YAGI



| No | FREQ [MHz] | NEUTRAL OP [dBuV] | LINE 1 AVE [dBuV] | LINE 1 QP [dBuV] | LINE 2 AVE [dBuV] | LINE 2 QP [dBuV] | LINE 3 AVE [dBuV] | LINE 3 QP [dBuV] | LISN EMI FRACT LEVEL LIMIT [dB] | FCC EMI FRACT LEVEL LIMIT [dBuV] | FCC MARGIN [dB] | |
|----|------------|-------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|---------------------------------|----------------------------------|-----------------|------|
| 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 | 36.4 | - | 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 | 1.0270 | 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
 MODEL No. H12146 SITE CANON 3m S.A.C.
 MODEL No. _____ ENGINEER *Hazuki*
 MODEL No. _____ REGULATION FCC Part15B CLASS B
 MODEL No. _____ LISN R/S ESH2
 RECEIVER R/S ESH2 RECEIVER S/N 893495/002
 NOTES: AC 120 V / 60 Hz
 COPY MODE

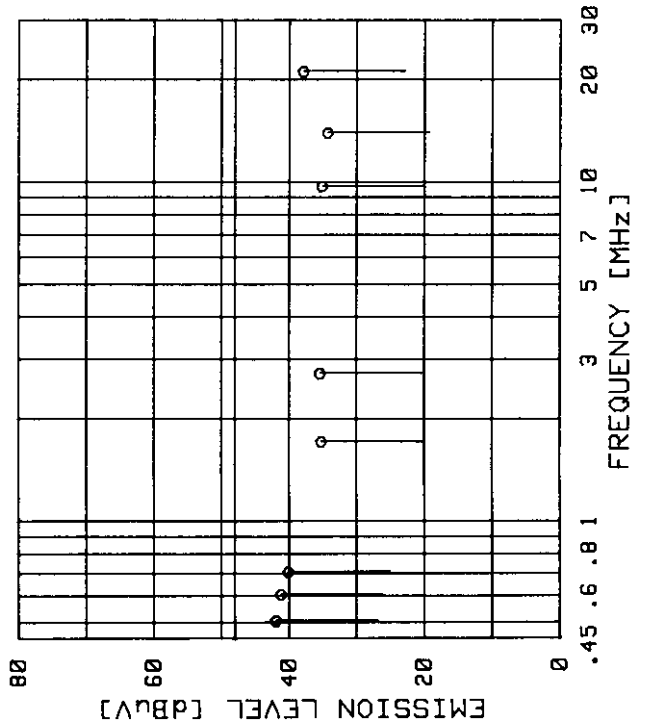
[dBuV]

| FREQ. [MHz] | Reading N | | Reading L1 | | Reading L2 | | Reading L3 | |
|----------------|-----------|---------|------------|---------|------------|---------|------------|---------|
| | Q-Peak | Average | Q-Peak | Average | Q-Peak | Average | Q-Peak | Average |
| 0.4500 | 31.7 | | 31.2 | | | | | |
| 0.5080 | 39.4 | | 38.2 | | | | | |
| 0.6090 | 35.6 | | 37.2 | | | | | |
| 0.7120 | 36.4 | | 36.0 | | | | | |
| 0.8120 | 37.1 | | 35.7 | | | | | |
| 1.0160 | 37.8 | | 35.1 | | | | | |
| 1.8270 | 37.1 | | 35.0 | | | | | |
| 2.0300 | 37.5 | | 35.7 | | | | | |
| 7.5650 | 32.5 | | 37.8 | | | | | |
| 9.2300 | 32.4 | | 39.1 | | | | | |
| 21.1990 | 22.5 | | 41.7 | | | | | |
| 21.3020 | 27.8 | | 41.9 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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 [MHz] | NEUTRAL QP [dBuV] | LINE 1 QP [dBuV] | LINE 2 QP [dBuV] | LINE 3 QP [dBuV] | LISN FRACT [dB] | EMI LEVEL [dBuV] | FCC LIMIT [dBuV] | MARGIN [dB] |
|----|------------|-------------------|------------------|------------------|------------------|-----------------|------------------|------------------|-------------|
| 1 | .50800 | 41.8 | 41.5 | - | - | - | 41.8 | 48.0 | 6.2 |
| 2 | .60900 | 41.1 | 41.1 | - | - | - | 41.1 | 48.0 | 6.9 |
| 3 | .71100 | 39.8 | 40.0 | - | - | - | 40.0 | 48.0 | 8.0 |
| 4 | 1.72700 | 34.7 | 35.1 | - | - | - | 35.1 | 48.0 | 12.9 |
| 5 | 2.74000 | 33.9 | 35.3 | - | - | - | 35.3 | 48.0 | 12.7 |
| 6 | 9.74000 | 27.6 | 35.0 | - | - | - | 35.0 | 48.0 | 13.0 |
| 7 | 14.00300 | 18.5 | 34.2 | - | - | - | 34.2 | 48.0 | 13.0 |
| 8 | 21.21000 | 22.5 | 37.8 | - | - | - | 37.8 | 48.0 | 10.2 |

OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC LIMIT

MEASUREMENT OF CONDUCTED POWERLINE

COMPANY CANON INC. DATE 05.21.1998
 EUT NAME FACSIMILE
 MODEL No. H12146 SITE CANON 3m S.A.C.
 MODEL No. _____ ENGINEER Huzabisa gase
 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
 TX MODE

[dBuV]

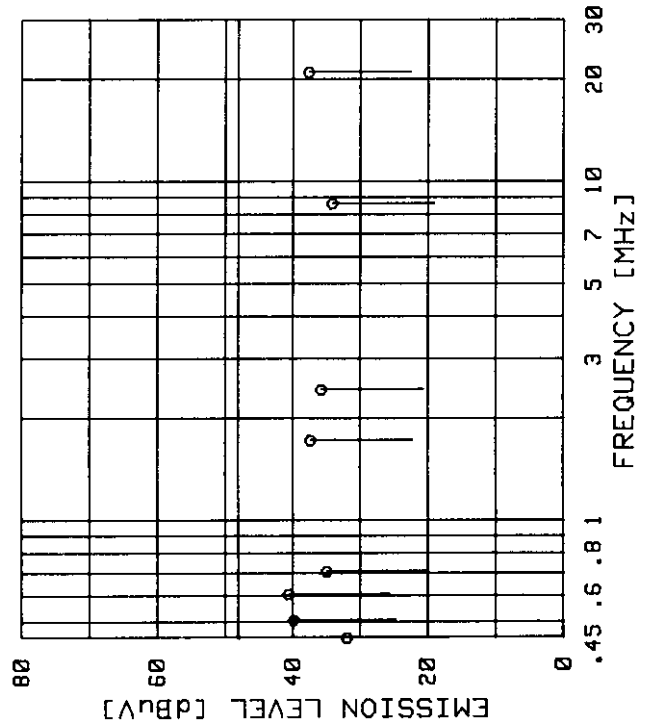
| FREQ. [MHz] | Reading N | | Reading L1 | | Reading L2 | | Reading L3 | |
|----------------|-----------|---------|------------|---------|------------|---------|------------|---------|
| | Q-Peak | Average | Q-Peak | Average | Q-Peak | Average | Q-Peak | Average |
| 0.5080 | 41.8 | | 41.5 | | | | | |
| 0.6090 | 41.1 | | 41.1 | | | | | |
| 0.7110 | 39.8 | | 40.0 | | | | | |
| 1.7270 | 34.7 | | 35.1 | | | | | |
| 2.7400 | 33.9 | | 35.3 | | | | | |
| 9.7440 | 27.6 | | 35.0 | | | | | |
| 14.0030 | 18.5 | | 34.2 | | | | | |
| 21.2100 | 22.5 | | 37.8 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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 : Kazuhiko Yagi KAZUHIRO, YAGI



| No | FREQ [MHz] | NEUTRAL OP [dBuV] | LINE 1 OP [dBuV] | LINE 2 AVE OP [dBuV] | LINE 3 AVE OP [dBuV] | LISN FRACT [dB] | EMI LEVEL [dBuV] | 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 10dB BELOW THE FCC LIMIT

MEASUREMENT OF CONDUCTED POWERLINE

COMPANY CANON INC. DATE 05.21.1998

EUT NAME FACSIMILE

MODEL No. H12146 SITE CANON 3m S.A.C.

MODEL No. _____ ENGINEER *Hazuki Yagi*

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

RX MODE

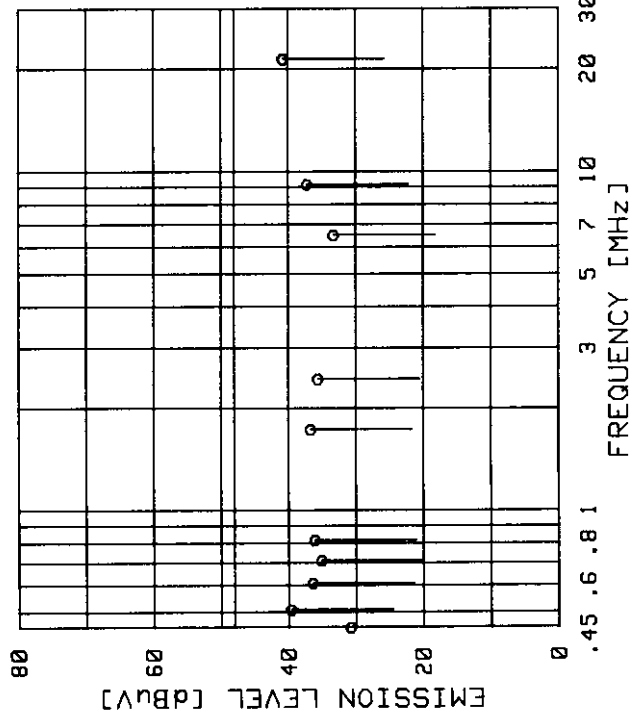
[dBuV]

| FREQ. [MHz] | Reading N | | Reading L1 | | Reading L2 | | Reading L3 | |
|----------------|-----------|---------|------------|---------|------------|---------|------------|---------|
| | Q-Peak | Average | Q-Peak | Average | Q-Peak | Average | Q-Peak | Average |
| 0.4500 | 31.5 | | 31.8 | | | | | |
| 0.5080 | 39.7 | | 39.4 | | | | | |
| 0.6090 | 40.5 | | 40.0 | | | | | |
| 0.7110 | 37.5 | | 37.8 | | | | | |
| 1.7310 | 37.2 | | 37.1 | | | | | |
| 2.4420 | 37.5 | | 35.6 | | | | | |
| 8.6450 | 25.6 | | 37.0 | | | | | |
| 21.0500 | 20.2 | | 37.5 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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 | | LINE 1 | | LINE 2 | | LINE 3 | | EMI LEVEL LIMIT [dBuV] | FCC MARGIN [dB] | |
|----|---------------|---------|-----|--------|-----|--------|-----|--------|-----|------------------------------|-----------------------|------|
| | | OP | AVE | OP | AVE | OP | AVE | OP | AVE | | | |
| 1 | .4500 | 30.7 | - | 30.3 | - | - | - | - | - | 30.7 | 48.0 | 17.3 |
| 2 | .5000 | 39.5 | - | 38.4 | - | - | - | - | - | 39.5 | 48.0 | 8.5 |
| 3 | .6090 | 36.3 | - | 35.7 | - | - | - | - | - | 36.3 | 48.0 | 11.7 |
| 4 | .7110 | 35.0 | - | 33.6 | - | - | - | - | - | 35.0 | 48.0 | 13.0 |
| 5 | .8150 | 36.0 | - | 35.9 | - | - | - | - | - | 36.0 | 48.0 | 12.0 |
| 6 | 1.7300 | 36.1 | - | 36.6 | - | - | - | - | - | 36.6 | 48.0 | 11.4 |
| 7 | 2.4400 | 33.9 | - | 35.5 | - | - | - | - | - | 35.5 | 48.0 | 12.5 |
| 8 | 6.5070 | 28.9 | - | 33.2 | - | - | - | - | - | 33.2 | 48.0 | 14.8 |
| 9 | 9.1490 | 30.6 | - | 37.1 | - | - | - | - | - | 37.1 | 48.0 | 10.9 |
| 10 | 21.3480 | 27.8 | - | 40.6 | - | - | - | - | - | 40.6 | 48.0 | 7.4 |
| 11 | 21.4520 | 26.7 | - | 40.7 | - | - | - | - | - | 40.7 | 48.0 | 7.3 |

OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC LIMIT

MEASUREMENT OF CONDUCTED POWERLINE

COMPANY CANON INC. DATE 05.21.1998
 EUT NAME FACSIMILE
 MODEL No. H12146 SITE CANON 3m S.A.C.
 MODEL No. _____ ENGINEER *Plazalima*
 MODEL No. _____ REGULATION FCC Part15B CLASS B
 MODEL No. _____ LISN R/S ESH2
 RECEIVER R/S ESH2 RECEIVER S/N 893495/002
 NOTES: AC 120 V / 60 Hz

PRINT MODE

[dBuV]

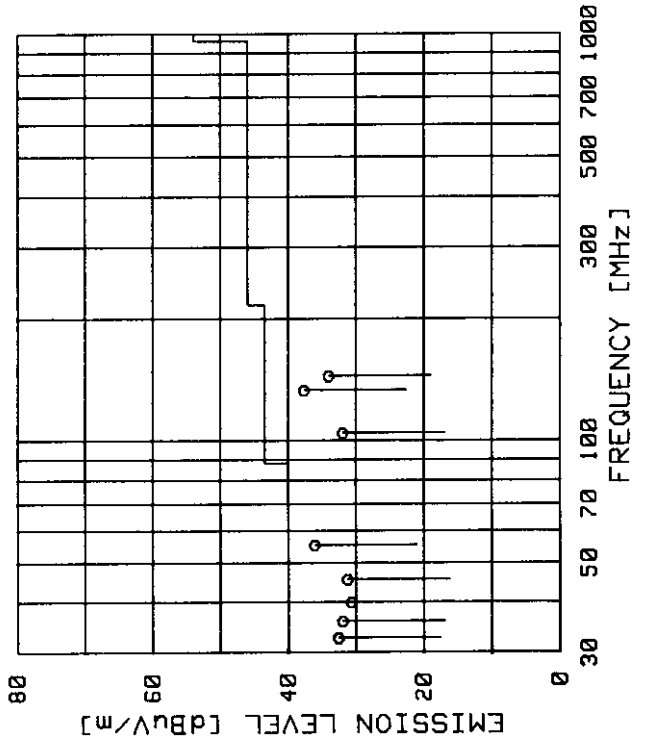
| FREQ. [MHz] | Reading N | | Reading L1 | | Reading L2 | | Reading L3 | |
|----------------|-----------|---------|------------|---------|------------|---------|------------|---------|
| | Q-Peak | Average | Q-Peak | Average | Q-Peak | Average | Q-Peak | Average |
| 0.4500 | 30.7 | | 30.3 | | | | | |
| 0.5080 | 39.5 | | 38.4 | | | | | |
| 0.6090 | 36.3 | | 35.7 | | | | | |
| 0.7110 | 35.0 | | 33.6 | | | | | |
| 0.8150 | 36.0 | | 35.9 | | | | | |
| 1.7300 | 36.1 | | 36.6 | | | | | |
| 2.4400 | 33.9 | | 35.5 | | | | | |
| 6.5070 | 28.9 | | 33.2 | | | | | |
| 9.1490 | 30.6 | | 37.1 | | | | | |
| 21.3480 | 27.8 | | 40.6 | | | | | |
| 21.4520 | 26.7 | | 40.7 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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

Kazuhiko Yagi

ENGINEER : KAZUHIRO YAGI



| No | FREQ [MHz] | ANT | READING [dBuV] | | ANT FACTOR [dB] | | CABLE LOSS [dB] | RMP GAIN [dB] | EMISSION LEVEL [dBuV/m] | FCC LIMIT | MARGIN [dB] |
|----|------------|-----|----------------|-------|-----------------|-------|-----------------|---------------|-------------------------|-----------|-------------|
| | | | Hor | Ver | Hor | Ver | | | | | |
| 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 10dB 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 %.

MEASUREMENT OF RADIATED RADIO NOISE

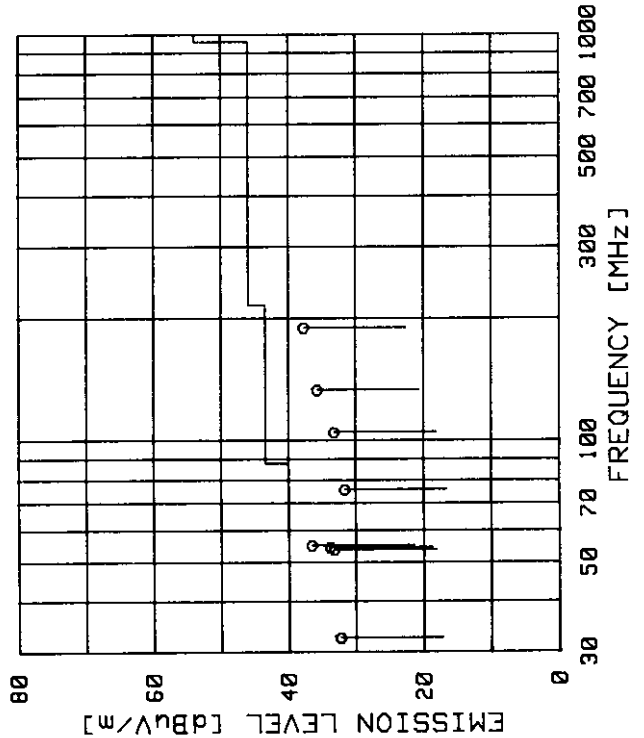
COMPANY CANON INC. DATE 05.20.1998
 EUT NAME FACSIMILE
 MODEL No. H12146 SITE CANON 3m S.A.C.
 MODEL No. _____ ENGINEER *Kajiwara yaj*
 MODEL No. _____ REGULATION FCC Part15B CLASS B
 MODEL No. _____ TEST DISTANCE 3 m
 RECEIVER R/S ESVP RECEIVER S/N 892565/001
 NOTES: AC 120 V / 60 Hz TEMP./HUMIDITY 21 °C / 50 %
 STANDBY MODE

| FREQ. [MHz] | Horizontal [dBuV] | | | Vertical [dBuV] | | |
|----------------|-------------------|------------|----------------|-----------------|------------|----------------|
| | Meter Reading | Turn Table | Antenna Height | Meter Reading | Turn Table | Antenna Height |
| 32.640 | 25.1 | 88 | 246 | 36.1 | 0 | 100 |
| 35.910 | 28.5 | 73 | 225 | 36.3 | 73 | 100 |
| 40.020 | 29.3 | 303 | 201 | 35.8 | 256 | 100 |
| 45.600 | 23.5 | 81 | 293 | 38.0 | 121 | 100 |
| 55.260 | 37.6 | 56 | 260 | 45.5 | 114 | 100 |
| 104.270 | 38.1 | 136 | 193 | 40.0 | 172 | 100 |
| 133.330 | 41.9 | 75 | 135 | 36.5 | 114 | 100 |
| 144.320 | 37.4 | 59 | 131 | 31.9 | 55 | 100 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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] | READING | | ANT FACTOR | | CABLE LOSS [dB] | AMP GAIN [dB] | EMISSION LEVEL [dBuV/m] | FCC LIMIT | MARGIN | |
|----|---------------|---------|-------|------------|-------|--------------------|------------------|----------------------------|--------------|--------|-------|
| | | Hor | Ver | Hor | Ver | | | | | | |
| 1 | 32.61 | BC | 25.00 | 35.00 | 15.98 | 15.98 | 1.09 | 26.66 | 32.21 | 40.00 | 7.79 |
| 2 | 53.09 | 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 %.

MEASUREMENT OF RADIATED RADIO NOISE

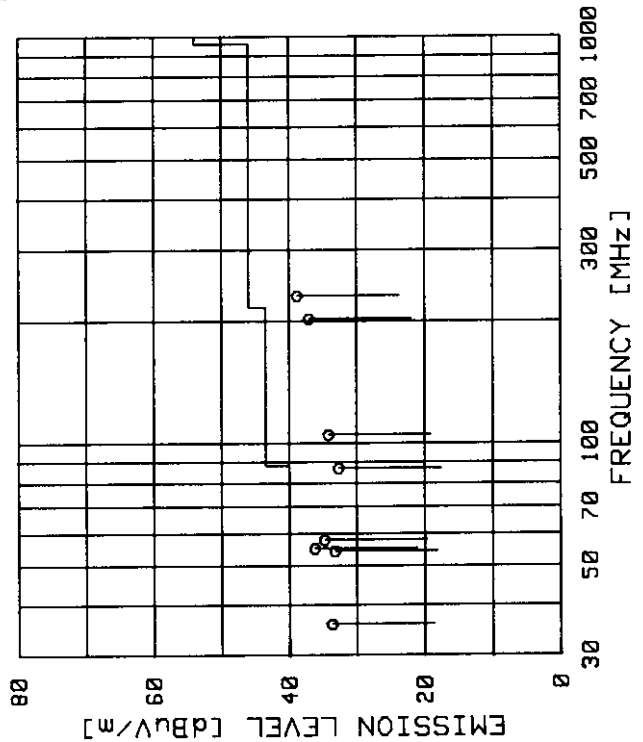
COMPANY CANON INC. DATE 05.20.1998
 EUT NAME FACSIMILE
 MODEL No. H12146 SITE CANON 3m S.A.C.
 MODEL No. _____ ENGINEER [Signature]
 MODEL No. _____ REGULATION FCC Part15B CLASS B
 MODEL No. _____ TEST DISTANCE 3 m
 RECEIVER R/S ESVP RECEIVER S/N 892565/001
 NOTES: AC 120 V / 60 Hz TEMP./HUMIDITY 20 °C / 50 %
 COPY MODE

| FREQ. [MHz] | Horizontal [dBuV] | | | Vertical [dBuV] | | |
|----------------|-------------------|------------|----------------|-----------------|------------|----------------|
| | Meter Reading | Turn Table | Antenna Height | Meter Reading | Turn Table | Antenna Height |
| 32.610 | 25.0 | 72 | 140 | 35.8 | 237 | 100 |
| 53.890 | 33.3 | 62 | 190 | 42.3 | 123 | 100 |
| 54.620 | 33.8 | 38 | 246 | 43.1 | 111 | 100 |
| 55.270 | 36.5 | 68 | 276 | 46.0 | 123 | 100 |
| 75.970 | 39.8 | 66 | 206 | 43.9 | 91 | 100 |
| 105.120 | 41.1 | 127 | 265 | 41.2 | 128 | 100 |
| 133.310 | 40.0 | 75 | 134 | 35.5 | 138 | 100 |
| 190.090 | 38.6 | 170 | 100 | 29.5 | 346 | 100 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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 | READING [dBuV] | | ANT FACTOR [dB] | | CABLE LOSS [dB] | AMP GAIN [dB] | EMISSION LEVEL [dBuV/m] | FCC MARGIN [dB] | |
|----|------------|-----|----------------|-------|-----------------|-------|-----------------|---------------|-------------------------|-----------------|------|
| | | | 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
- AMP GAIN + ANTENNA PAD

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

MEASUREMENT OF RADIATED RADIO NOISE

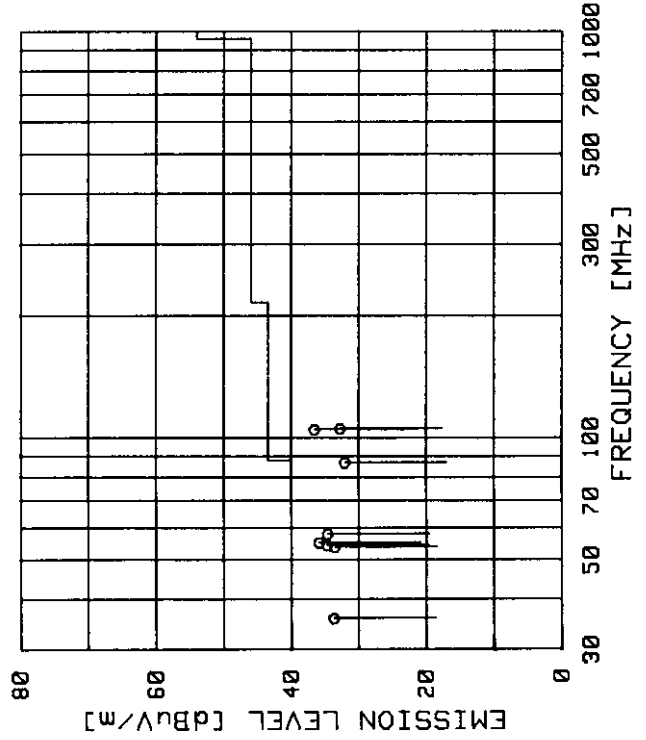
COMPANY CANON INC. DATE 05.20.1998
 EUT NAME FACSIMILE
 MODEL No. H12146 SITE CANON 3m S.A.C.
 MODEL No. _____ ENGINEER *Kazuo Ito*
 MODEL No. _____ REGULATION FCC Part15B CLASS B
 MODEL No. _____ TEST DISTANCE 3 m
 RECEIVER R/S ESVP RECEIVER S/N 892565/001
 NOTES: AC 120 V / 60 Hz TEMP./HUMIDITY 20 °C / 50 %
 TX MODE

| FREQ. [MHz] | Horizontal [dBuV] | | | Vertical [dBuV] | | |
|----------------|-------------------|------------|----------------|-----------------|------------|----------------|
| | Meter Reading | Turn Table | Antenna Height | Meter Reading | Turn Table | Antenna Height |
| 35.930 | 28.5 | 55 | 265 | 38.0 | 102 | 100 |
| 54.830 | 33.8 | 47 | 275 | 42.4 | 164 | 100 |
| 55.260 | 36.7 | 69 | 259 | 45.6 | 188 | 100 |
| 58.030 | 36.0 | 53 | 282 | 45.1 | 108 | 100 |
| 87.030 | 43.4 | 126 | 221 | 40.9 | 98 | 100 |
| 105.130 | 41.0 | 133 | 275 | 42.1 | 133 | 100 |
| 203.070 | 37.5 | 96 | 100 | 31.0 | 60 | 187 |
| 232.100 | 38.3 | 197 | 136 | 34.4 | 58 | 109 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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 : KAZUHIRO YAGI



| No | FREQ [MHz] | READING [dBuV] | | ANT FACTOR [dB] | | CABLE LOSS [dB] | AMP GAIN [dB] | EMISSION LEVEL [dBuV/m] | FCC LIMIT [dB] | MARGIN [dB] | |
|----|---------------|-------------------|-------|--------------------|-------|-----------------------|---------------------|-------------------------------|----------------------|----------------|-------|
| | | Hor | Ver | Hor | Ver | | | | | | |
| 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 %.

MEASUREMENT OF RADIATED RADIO NOISE

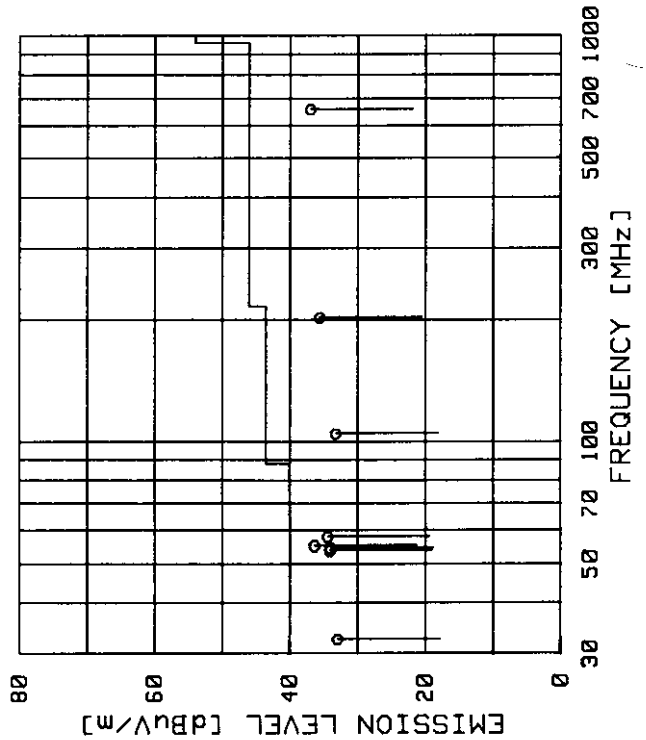
COMPANY CANON INC. DATE 05.20.1998
 EUT NAME FACSIMILE
 MODEL No. H12146 SITE CANON 3m S.A.C.
 MODEL No. _____ ENGINEER Kozaburo Goto
 MODEL No. _____ REGULATION FCC Part15B CLASS B
 MODEL No. _____ TEST DISTANCE 3 m
 RECEIVER R/S ESVP RECEIVER S/N 892565/001
 NOTES: AC 120 V / 60 Hz TEMP./HUMIDITY 22 °C / 53 %
 RX MODE

| FREQ. [MHz] | Horizontal [dBuV] | | | Vertical [dBuV] | | |
|----------------|-------------------|------------|----------------|-----------------|------------|----------------|
| | Meter Reading | Turn Table | Antenna Height | Meter Reading | Turn Table | Antenna Height |
| 35.930 | 31.1 | 80 | 201 | 38.0 | 104 | 100 |
| 53.910 | 37.5 | 43 | 188 | 42.6 | 124 | 100 |
| 54.420 | 34.5 | 51 | 244 | 43.9 | 127 | 100 |
| 55.270 | 36.6 | 55 | 275 | 45.3 | 134 | 100 |
| 58.030 | 36.0 | 58 | 277 | 45.0 | 110 | 100 |
| 87.030 | 42.8 | 124 | 213 | 40.2 | 75 | 114 |
| 105.150 | 42.0 | 122 | 271 | 44.5 | 186 | 100 |
| 105.700 | 33.4 | 70 | 212 | 40.6 | 190 | 100 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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 : *Kazuhiko Yagi*
KAZUHIRO. YAGI



| No | FREQ [MHz] | READING | | ANT FACTOR | | CABLE LOSS [dB] | AMP GAIN [dB] | EMISSION LEVEL [dBuV/m] | FCC LIMIT | MARGIN |
|----|---------------|---------|-------|------------|-------|--------------------|------------------|----------------------------|--------------|--------|
| | | Hor | Ver | Hor | Ver | | | | | |
| 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 | 35.40 | 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 %.

MEASUREMENT OF RADIATED RADIO NOISE

COMPANY CANON INC. DATE 05.20.1998
 EUT NAME FACSIMILE
 MODEL No. H12146 SITE CANON 3m S.A.C.
 MODEL No. _____ ENGINEER Muzuburo Nagai
 MODEL No. _____ REGULATION FCC Part15B CLASS B
 MODEL No. _____ TEST DISTANCE 3 m
 RECEIVER R/S ESVP RECEIVER S/N 892565/001
 NOTES: AC 120 V / 60 Hz TEMP./HUMIDITY 20 °C / 50 %
 PRINT MODE

| FREQ. [MHz] | Horizontal [dBuV] | | | Vertical [dBuV] | | |
|----------------|-------------------|------------|----------------|-----------------|------------|----------------|
| | Meter Reading | Turn Table | Antenna Height | Meter Reading | Turn Table | Antenna Height |
| 32.660 | 25.9 | 69 | 257 | 36.4 | 68 | 100 |
| 53.900 | 36.3 | 62 | 247 | 43.1 | 130 | 100 |
| 54.480 | 35.3 | 55 | 202 | 43.1 | 123 | 100 |
| 55.270 | 37.5 | 60 | 274 | 45.7 | 129 | 100 |
| 58.030 | 35.1 | 58 | 292 | 44.7 | 105 | 100 |
| 105.120 | 41.1 | 122 | 278 | 40.6 | 170 | 100 |
| 203.100 | 36.0 | 75 | 107 | 30.5 | 76 | 179 |
| 660.030 | 31.3 | 121 | 125 | 31.3 | 333 | 100 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |