

# EMI TEST REPORT

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**Canon G3 Anechoic Room**

**Canon Inc.**

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

|                    |                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                        |                                                             |  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--|
| Test report #      | G398005                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                        |                                                             |  |
| 申請者                | Canon Inc.                                                                                                                                                                                       | 住所                                                                                                                                                                                                                                                                                                                                                     | 3-30-2 Shimomarucho, Ohta-ku, Tokyo146, Japan               |  |
| レポートのタイプ           | Verification                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                        |                                                             |  |
| Category of report | <input type="checkbox"/> Class A digital device<br><input type="checkbox"/> Class B digital device<br><input type="checkbox"/> Personal computer<br><input type="checkbox"/> Computer peripheral |                                                                                                                                                                                                                                                                                                                                                        |                                                             |  |
| モデル番号              | H1212129                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                        |                                                             |  |
| 名称                 | Canon                                                                                                                                                                                            | Usage: <input checked="" type="checkbox"/> Facsimile (PSTN <input type="checkbox"/> 1 port <input type="checkbox"/> 2 ports) <input checked="" type="checkbox"/> Copier <input checked="" type="checkbox"/> Scanner<br><input type="checkbox"/> Printer <input type="checkbox"/> with LAN ports <input checked="" type="checkbox"/> with Computer port |                                                             |  |
| 製造者                | Canon Inc.                                                                                                                                                                                       | 住所                                                                                                                                                                                                                                                                                                                                                     | 3-30-2 Shimomarucho, Ohta-ku, Tokyo146, Japan               |  |
| 工場                 | Canon Ami Factory                                                                                                                                                                                | 住所                                                                                                                                                                                                                                                                                                                                                     | 3577 Yoshiwara, Ami-machi, Inashiki-gun, Ibaraki-ken, Japan |  |

## 2. 適用規格 Applicable Regulations

|                 |                                                                                                                                                                              |                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 測定規格            | 限度値 Limit                                                                                                                                                                    | FCC 15B Class <input type="checkbox"/> A <input checked="" type="checkbox"/> B<br>CISPR Pub 22 Class <input type="checkbox"/> A <input type="checkbox"/> B |
| Measured per    | 測定方法 Method                                                                                                                                                                  | ANSI C63.4-1992<br>(Methods of Measurement of Radio Noise Emission from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz)     |
| 測定日             | 1998年(Y) 3月(M) 16, 17, 19日(D)                                                                                                                                                |                                                                                                                                                            |
| 使用周波数           | (CPU) 16MHz<br>(PRINTER CPU) 20MHz<br>(PRINTER GATE ARRAY 22.11MHz)<br>(MODEM) 38MHz                                                                                         | 測定周波数上限<br>Applicable freq up to                                                                                                                           |
| 使用電源            | <input checked="" type="checkbox"/> 120VAC 60Hz<br><input type="checkbox"/> Battery<br><input type="checkbox"/> PSTN                                                         |                                                                                                                                                            |
| Clock freq used | <input checked="" type="checkbox"/> 1GHz (for used clock 1.705-108MHz)<br><input type="checkbox"/> 2GHz (for used clock 108-500MHz)<br><input type="checkbox"/> See Remarks. |                                                                                                                                                            |

## 3. 測定結果 Test Result

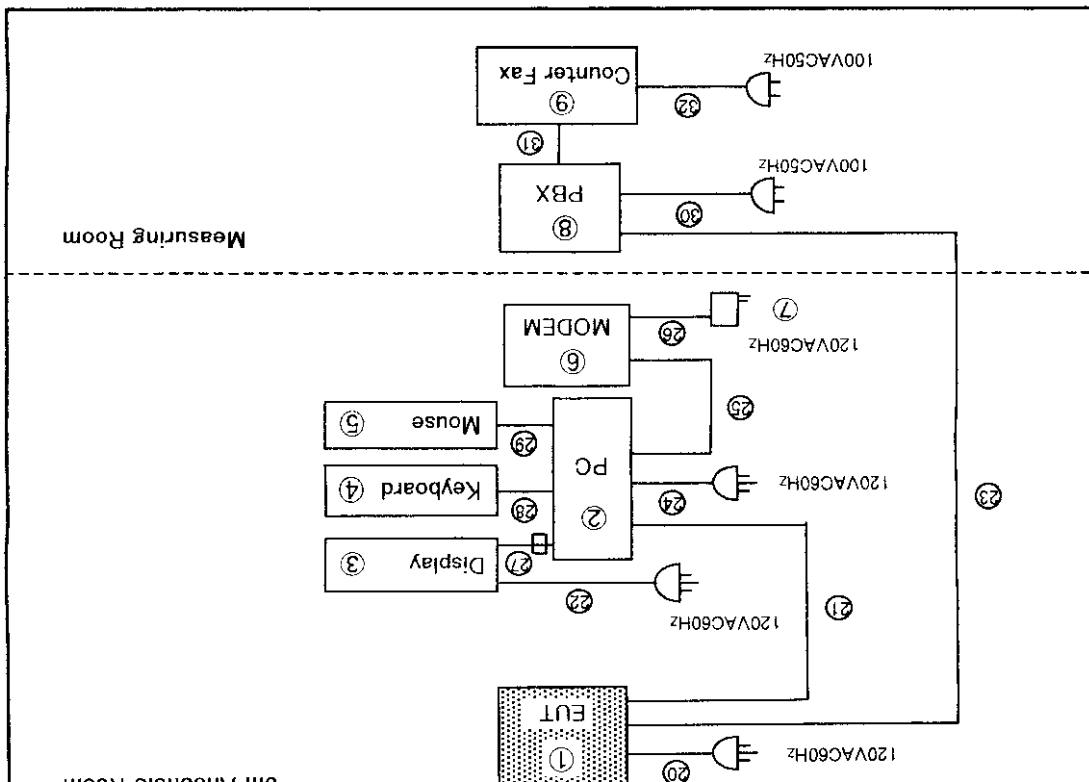
|                                                                                                                                                  |                                                                                                                                |                |           |    |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|----|-----------|
| 判定 Judgement                                                                                                                                     | <input checked="" type="checkbox"/> Passed<br><input type="checkbox"/> Failed<br><input type="checkbox"/> For information only |                |           |    |           |
| 測定項目                                                                                                                                             | モード                                                                                                                            | 最小マージン         | 周波数       | 備考 | Remarks   |
| Items to be measured                                                                                                                             | Mode of operation                                                                                                              | Minimum margin | Frequency |    |           |
| 放射ノイズ                                                                                                                                            | B&W Copy                                                                                                                       | 3.89           | 47.87     |    |           |
| 垂直偏波                                                                                                                                             |                                                                                                                                |                |           |    |           |
| 水平偏波                                                                                                                                             | Standby                                                                                                                        | 4.56           | 152.03    |    | 2F-Tで同レベル |
| 電源端子ノイズ                                                                                                                                          | Color Copy                                                                                                                     | 6.6            | 2.7380    |    |           |
| 準尖頭値                                                                                                                                             |                                                                                                                                |                |           |    |           |
| Quasi-peak                                                                                                                                       |                                                                                                                                |                |           |    |           |
| 平均値                                                                                                                                              |                                                                                                                                |                |           |    |           |
| Conducted noise                                                                                                                                  |                                                                                                                                |                |           |    |           |
| 使用ノイズチャート Test chart used <input type="checkbox"/> 画電No.4 <input checked="" type="checkbox"/> その他 (版社Chart No.1, GENESIS Chart Girt(Color Copy)) |                                                                                                                                |                |           |    |           |
| EUTの動作モード Mode of operation: Standby, B&W Copy, Color Copy, Tx, Rx, Print                                                                        |                                                                                                                                |                |           |    |           |
| 特記事項 Remarks                                                                                                                                     |                                                                                                                                |                |           |    |           |

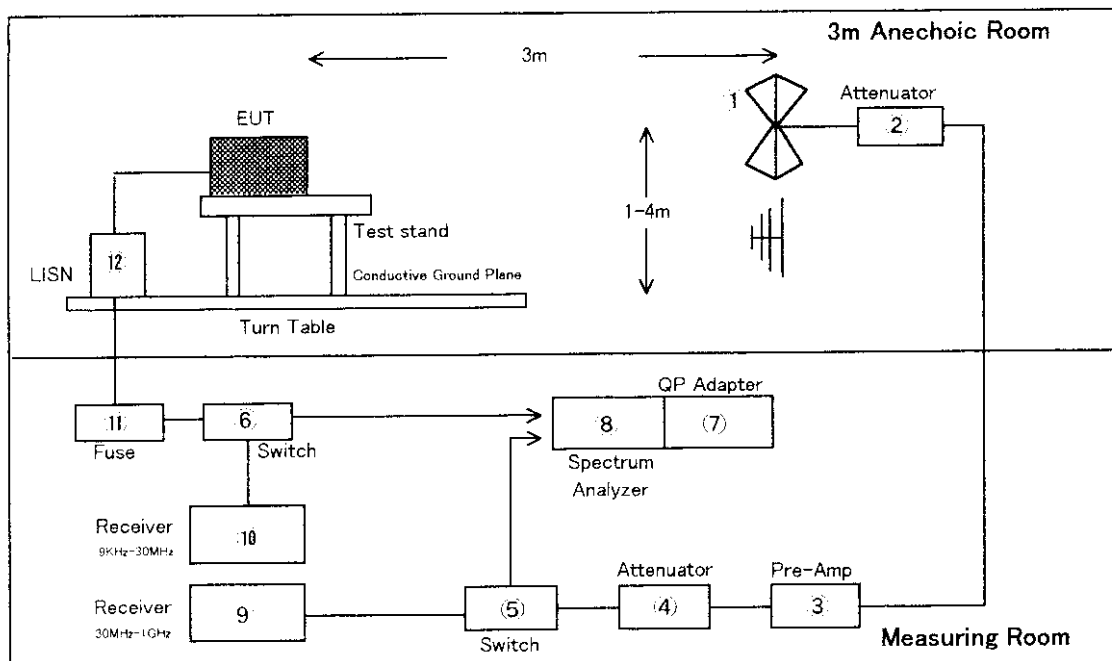
## 4. 測定レポートの発行 Issue of Test Report

|                             |                                                                                                                                          |                                                                                                                                        |                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| レポートの発行<br>Report issued by | Canon Inc.                                                                                                                               | 発行日 Issued                                                                                                                             | 1998年(Y) 3月(M)24日(D) |
| 住所 Address                  | 3-30-2 Shimomaruko, Ohta-ku, Tokyo146, Japan                                                                                             |                                                                                                                                        |                      |
| 測定場所 Site                   | Canon G3 Anechoic Room, 3-30-2 Shimomaruko, Ohta-ku, Tokyo 146, Japan<br>FCC filing valid until March 1999. FCC Ref #: 31040/SIT, 1300F2 |                                                                                                                                        |                      |
| 測定者 Measured by             | <br>Kazuhiro Yagi, Engineer, DCT                        |                                                                                                                                        |                      |
| 承認 Approved by              | <br>Etsuo Wakasugi, Director Engineer, DCT              | <br>Shingo Uehara, Mgr, OIP Tech Assr 13, Canon Inc. |                      |

| 機器名 | Name of Equipment       | 型番           | Type         | 型番             | Model                | メーカー                 | Manufacturer |
|-----|-------------------------|--------------|--------------|----------------|----------------------|----------------------|--------------|
| ①   | EUT                     | H12129       | DE-307       | AZDH12129      | Canon Inc            | Canon Inc            |              |
| ②   | DESKPRO XE 580          | 3071         | 6352HFC20623 | CNT75MBFF      | COMPAQ               | COMPAQ               |              |
| ③   | Display                 | 411c         | 11125222A447 | BEJMY411       | COMPAQ               | COMPAQ               |              |
| ④   | Keyboard                | Enhanced III | 140536-119   | CIGEO35074     | COMPAQ               | COMPAQ               |              |
| ⑤   | Mouse                   | MUS2J        | ID764AA00908 | EMJMSJA        | COMPAQ               | COMPAQ               |              |
| ⑥   | Smart TEAM Data Modem   | 103/212A     | A036904      | EF56A5103/212A | Team Technology Inc. | Team Technology Inc. |              |
| ⑦   | Ac Adapter              | DV-1215A     |              |                | Team Technology Inc. | Team Technology Inc. |              |
| ⑧   | Auto Telephone Exchange |              | 830140       |                |                      |                      |              |
| ⑨   | FACSIMILE (Counter Fax) | H12130       | DE-408       |                | Canon Inc            | Canon Inc            |              |

|   |                                     |          |            |       |        |        |        |         |        |           |      |
|---|-------------------------------------|----------|------------|-------|--------|--------|--------|---------|--------|-----------|------|
|   | 4-7' 1/2 Cable                      | 型番       | Type       | メーカー  | Mfr    | 長さ     | Length | シールドの有無 | Shield | 17の有無(個数) | Core |
| ⑩ | Power                               | WT3-5021 | Canon Inc. | 2 m   | None   | Shield | None   | None    | None   | None      | None |
| ⑪ | Centronix                           | LEPC60   |            | 1.5 m | Shield | None   | None   | None    | None   | None      | None |
| ⑫ | part of (Integral Power of Display) |          |            | 1.8 m | None   | None   | None   | None    | None   | None      | None |
| ⑬ | Telephone                           | HH2-2501 | Canon Inc. | 2.9 m | None   | None   | None   | None    | None   | None      | None |
| ⑭ | Power                               |          |            | 1.9 m | None   | None   | None   | None    | None   | None      | None |
| ⑮ | RS                                  |          |            | 1.5 m | None   | None   | None   | None    | None   | None      | None |
| ⑯ | AC                                  |          |            | 1 m   | None   | None   | None   | None    | None   | None      | None |
| ⑰ | Video                               |          |            | 1.8 m | Shield | 1      |        |         |        |           |      |
| ⑱ | Control (Integral part of keyboard) |          |            | 1.4 m | None   | None   | None   | None    | None   | None      | None |
| ⑲ | Control (Integral part of mouse)    |          |            | 1.8 m | None   | None   | None   | None    | None   | None      | None |
| ⑳ | Power (Integral part of PBX)        |          |            | 1.8 m | None   | None   | None   | None    | None   | None      | None |
| ㉑ | Telephone                           |          |            | 4 m   | None   | None   | None   | None    | None   | None      | None |
| ㉒ | Power                               |          |            | 2 m   | None   | None   | None   | None    | None   | None      | None |





| No<br>番号 | Instrument<br>測定機器                                     | Type<br>型番             | Serial #<br>シリアル番号       | Mfr<br>製造元                           | Calibrated<br>校正日      | Remarks<br>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<br>Display<br>RF Unit           | 85662A<br>8567A        | 2848A18011<br>2926A00628 | HP<br>HP                             | Mar 3, 98<br>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<br>ESH2-Z5     | 893606/007<br>893606/008 | Rohde & Schwartz<br>Rohde & Schwartz | Mar 5, 98<br>Mar 5, 98 | 9KHz-30MHz<br>9KHz-30MHz |
|          | スペアナ Spectrum Analyzer                                 | 8561E                  |                          | HP                                   | Apr 18, 96             | 30Hz-6.5GHz              |
|          | キガ 常用ホーン・アンテナ<br>Double Bridged Waveguide Horn Antenna | 11966E<br>EMCO No 3115 | 9605-4834                | HP (EMCO)                            | May 29, 96             |                          |
|          | Personal Computer<br>Display                           | 9153C                  | 2732A24703<br>8925K03082 | HP<br>HP                             |                        |                          |
|          | プリアンプ Pre-Amplifier                                    | 8449B                  | 3008A00769               | HP                                   | Feb 21, 94             | 1-26.5GHz                |



CANON 3m S.A.C.

03.12.1998

3m

SPE-ANA : HP8567A

RECEIVER: R/S ESVP

PREAMP : HP8447D

NOTES

Engineer,

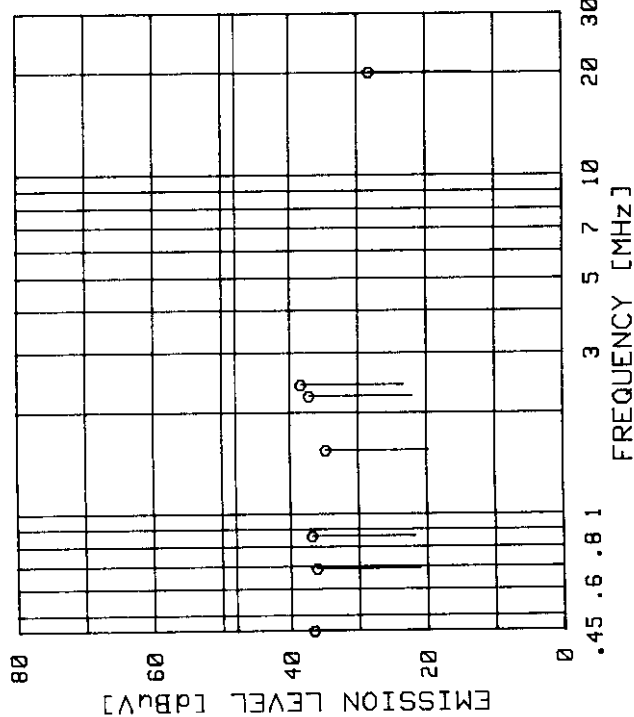
| FREQ.<br>[MHz] | INPUT<br>[dBuV] | READING [dBuV] |       |       | ATT<br>[dB] | LOSS<br>[dB] | AMP<br>[dB] | CORR<br>[dB] | CORR'D [dBuV] |       |       | DIFF. [dB] |      |      |
|----------------|-----------------|----------------|-------|-------|-------------|--------------|-------------|--------------|---------------|-------|-------|------------|------|------|
|                |                 | S.A            | QP    | AV    |             |              |             |              | S.A           | QP    | AV    | S.A        | QP   | AV   |
| 30.0           | 40              | 60.56          | 59.30 | 59.60 | 6.00        | 1.04         | 26.66       | 19.62        | 40.94         | 39.68 | 39.98 | .94        | -.32 | -.02 |
|                | 30              | 50.71          | 49.20 | 49.40 |             |              |             |              | 31.09         | 29.58 | 29.78 | 1.09       | -.42 | -.22 |
| 100.0          | 40              | 58.97          | 58.10 | 58.30 | 6.00        | 2.04         | 26.43       | 18.39        | 40.58         | 39.71 | 39.91 | .58        | -.29 | -.09 |
|                | 30              | 49.23          | 48.20 | 48.30 |             |              |             |              | 30.84         | 29.81 | 29.91 | .84        | -.19 | -.09 |
| 300.0          | 40              | 56.31          | 55.60 | 55.90 | 6.00        | 3.78         | 25.83       | 16.05        | 40.26         | 39.55 | 39.85 | .26        | -.45 | -.15 |
|                | 30              | 46.68          | 45.80 | 45.90 |             |              |             |              | 30.63         | 29.75 | 29.85 | .63        | -.25 | -.15 |
| 600.0          | 40              | 56.75          | 55.40 | 55.50 | 6.00        | 5.69         | 27.54       | 15.85        | 40.90         | 39.55 | 39.65 | .90        | -.45 | -.35 |
|                | 30              | 47.05          | 45.50 | 45.50 |             |              |             |              | 31.20         | 29.65 | 29.65 | 1.20       | -.35 | -.35 |
| 990.0          | 40              | 54.40          | 53.30 | 53.00 | 6.00        | 7.60         | 26.77       | 13.17        | 41.23         | 40.13 | 39.83 | 1.23       | .13  | -.17 |
|                | 30              | 44.67          | 43.50 | 43.00 |             |              |             |              | 31.50         | 30.33 | 29.83 | 1.50       | .33  | -.17 |



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

APPLICANT : CANON INC.  
 MODEL NUMBER : H12129  
 SERIAL NUMBER : DE-307  
 POWER SOURCE : AC 120V/60Hz  
 DESCRIPTION : STANDBY MODE  
 DATE TESTED : 03.19.1998  
 FILE NUMBER : G398005  
 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 |
|----|---------|---------|--------|--------|--------|------|------|--------|--------|
|    |         | QP      | AVE    | QP     | AVE    | QP   | AVE  | LEVEL  | LIMIT  |
|    | [MHz]   | [dBuV]  | [dBuV] | [dBuV] | [dBuV] | [dB] | [dB] | [dBuV] | [dB]   |
| 1  | .4500   | 35.7    | -      | 36.6   | -      | -    | -    | 36.6   | 48.0   |
| 2  | .6900   | 36.1    | -      | 29.4   | -      | -    | -    | 36.1   | 48.0   |
| 3  | .8600   | 36.8    | -      | 30.4   | -      | -    | -    | 36.8   | 48.0   |
| 4  | 1.5500  | 34.3    | -      | 34.7   | -      | -    | -    | 34.7   | 48.0   |
| 5  | 2.2400  | 35.7    | -      | 37.1   | -      | -    | -    | 37.1   | 48.0   |
| 6  | 2.4150  | 38.1    | -      | 38.3   | -      | -    | -    | 38.3   | 48.0   |
| 7  | 20.0700 | 27.3    | -      | 28.2   | -      | -    | -    | 28.2   | 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 : H12129

SERIAL NUMBER : DE-307

POWER SOURCE : AC 120V/60Hz

DESCRIPTION : B&W COPY MODE

DATE TESTED : 03.19.1998

FILE NUMBER : G398005

REGULATION : FCC Part15B CLASS B

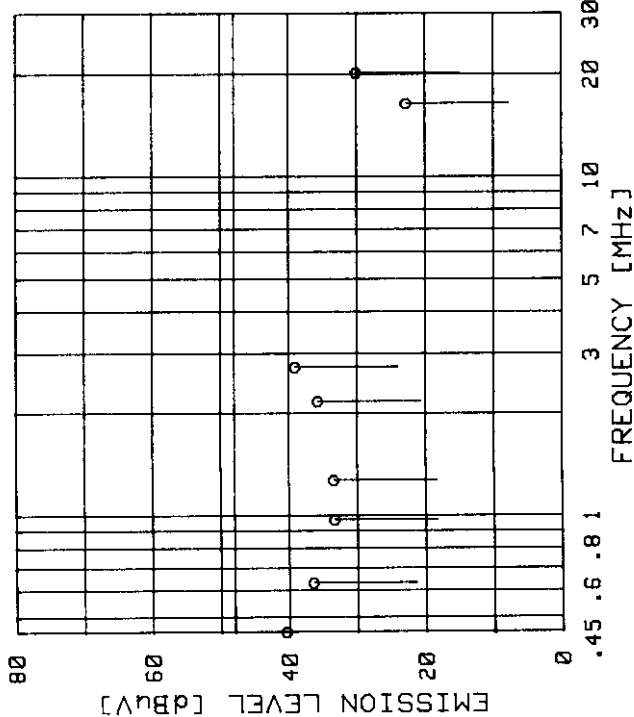
according to : ANSI C63.4-1992

LISN : ESH2-Z5

No. of PHASE : SINGLE PHASE

ENGINEER :

KAZUHIRO.YAGI



| No | FREQ    | NEUTRAL | LINE 1 | LINE 2 | LINE 3 | EMI  | FCC    | MARGIN |
|----|---------|---------|--------|--------|--------|------|--------|--------|
|    |         | OP      | AVE    | OP     | AVE    | OP   | AVE    |        |
|    | [MHz]   | [dBuV]  | [dBuV] | [dBuV] | [dBuV] | [dB] | [dBuV] | [dB]   |
| 1  | .4500   | 40.4    | -      | 40.3   | -      | -    | 40.4   | 48.0   |
| 2  | .6300   | 34.3    | -      | 36.4   | -      | -    | 36.4   | 48.0   |
| 3  | .9680   | 26.4    | -      | 33.3   | -      | -    | 33.3   | 48.0   |
| 4  | 1.2700  | 28.2    | -      | 33.4   | -      | -    | 33.4   | 48.0   |
| 5  | 2.1600  | 32.6    | -      | 35.7   | -      | -    | 35.7   | 48.0   |
| 6  | 2.7320  | 39.0    | -      | 37.8   | -      | -    | 39.0   | 48.0   |
| 7  | 16.3000 | 22.7    | -      | 22.2   | -      | -    | 22.7   | 48.0   |
| 8  | 20.0800 | 30.0    | -      | 29.8   | -      | -    | 30.0   | 48.0   |

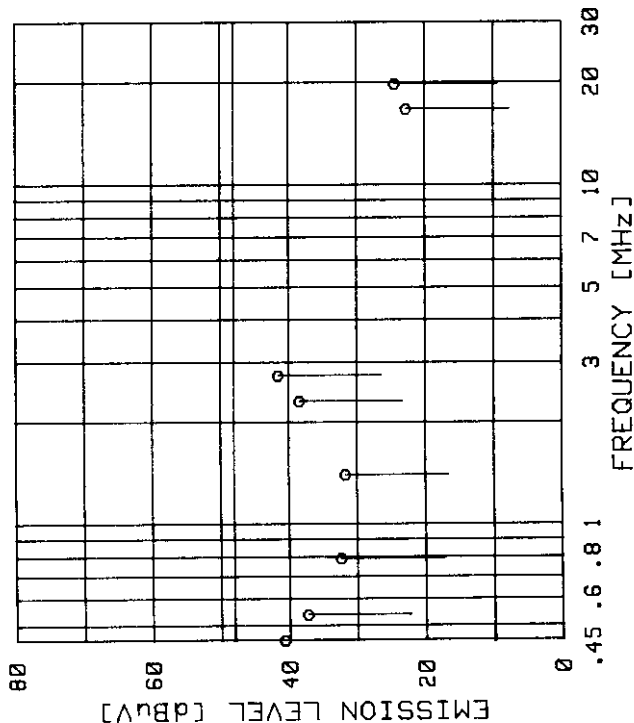
OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC LIMIT



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

APPLICANT : CANON INC.  
 MODEL NUMBER : H12129  
 SERIAL NUMBER : DE-307  
 POWER SOURCE : AC 120V/60Hz  
 DESCRIPTION : COLOR COPY MODE  
 DATE TESTED : 03.19.1998  
 FILE NUMBER : G398005  
 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 |
|----|---------|---------|--------|--------|--------|--------|--------|------|--------|
|    |         | QP      | AVE    | QP     | AVE    | QP     | AVE    | FACT | LEVEL  |
|    | [MHz]   | [dBuV]  | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dB] | [dBuV] |
| 1  | .4500   | 40.6    | -      | 40.4   | -      | -      | -      | -    | 40.6   |
| 2  | .5380   | 37.2    | -      | 36.6   | -      | -      | -      | -    | 37.2   |
| 3  | .7900   | 29.7    | -      | 32.3   | -      | -      | -      | -    | 32.3   |
| 4  | 1.4000  | 28.3    | -      | 31.6   | -      | -      | -      | -    | 31.6   |
| 5  | 2.3000  | 34.2    | -      | 38.3   | -      | -      | -      | -    | 38.3   |
| 6  | 2.7380  | 41.4    | -      | 38.0   | -      | -      | -      | -    | 41.4   |
| 7  | 16.6200 | 19.8    | -      | 22.6   | -      | -      | -      | -    | 22.6   |
| 8  | 19.7500 | 24.1    | -      | 24.3   | -      | -      | -      | -    | 24.3   |

OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC LIMIT

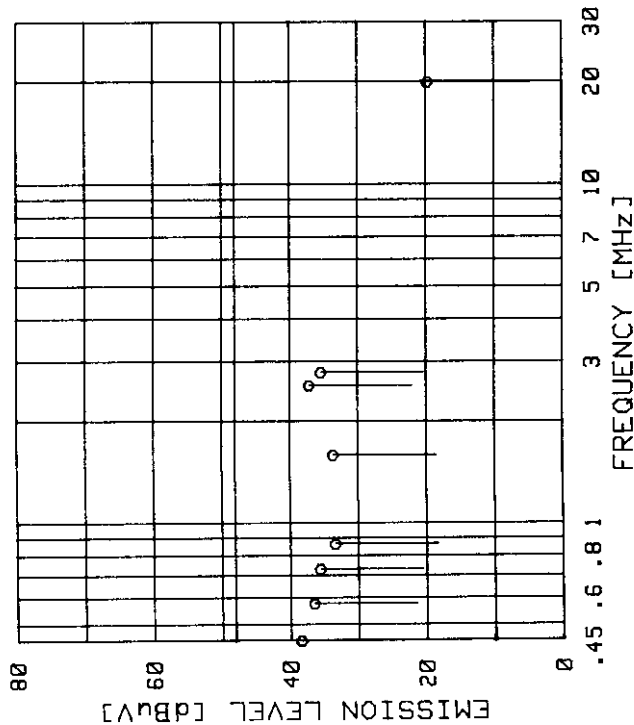


# CANON INC. CANON 3m S.A.C. INTERFERENCE VOLTAGE TEST

APPLICANT : CANON INC.  
 MODEL NUMBER : H12129  
 SERIAL NUMBER : DE-307  
 POWER SOURCE : AC 120V/60Hz  
 DESCRIPTION : TX MODE  
 DATE TESTED : 03.19.1998  
 FILE NUMBER : G398005  
 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    | NEUTRAL | LINE 1 | LINE 2 | LINE 3 | LISN | EMI  | FCC    | MARGIN |
|----|---------|---------|--------|--------|--------|------|------|--------|--------|
|    |         | QP      | AVE    | QP     | AVE    | QP   | AVE  | LEVEL  | LIMIT  |
|    | [MHz]   | [dBuV]  | [dBuV] | [dBuV] | [dBuV] | [dB] | [dB] | [dBuV] | [dB]   |
| 1  | .4500   | 37.8    | -      | 38.3   | -      | -    | -    | 38.3   | 48.0   |
| 2  | .5790   | 36.4    | -      | 33.5   | -      | -    | -    | 36.4   | 48.0   |
| 3  | .7340   | 35.5    | -      | 29.4   | -      | -    | -    | 35.5   | 48.0   |
| 4  | .8680   | 33.3    | -      | 26.9   | -      | -    | -    | 33.3   | 48.0   |
| 5  | 1.6000  | 33.5    | -      | 30.4   | -      | -    | -    | 33.5   | 48.0   |
| 6  | 2.5600  | 37.0    | -      | 37.0   | -      | -    | -    | 37.0   | 48.0   |
| 7  | 2.7980  | 34.5    | -      | 35.3   | -      | -    | -    | 35.3   | 48.0   |
| 8  | 20.0020 | 19.6    | -      | 19.0   | -      | -    | -    | 19.6   | 48.0   |

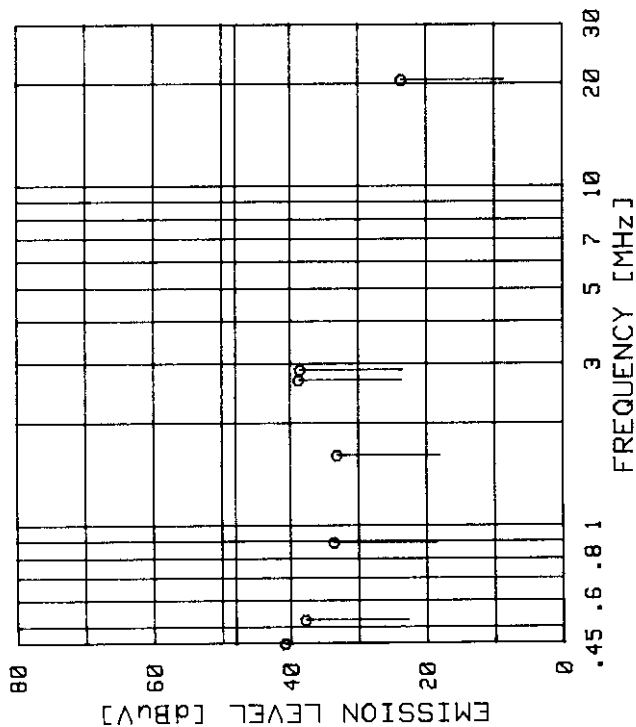
OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC LIMIT



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

APPLICANT : CANON INC.  
 MODEL NUMBER : H12129  
 SERIAL NUMBER : DE-307  
 POWER SOURCE : AC 120V/60Hz  
 DESCRIPTION : RX MODE  
 DATE TESTED : 03.19.1998  
 FILE NUMBER : G398005  
 REGULATION : FCC Part15B CLASS B  
 according to : ANSI C63.4-1992  
 LISN : ESH2-Z5  
 No. of PHASE : SINGLE PHASE

ENGINEER : KAZUHIRO.YAGI



| No | FREQ<br>[MHz] | NEUTRAL |     | LINE 1 |     | LINE 2 |     | LINE 3 |     | EMI   |        | FCC MARGIN |
|----|---------------|---------|-----|--------|-----|--------|-----|--------|-----|-------|--------|------------|
|    |               | QP      | Ave | QP     | Ave | QP     | Ave | QP     | Ave | LEVEL | LEVEL  |            |
|    |               | [dBuV]  |     | [dBuV] |     | [dBuV] |     | [dBuV] |     | [dB]  | [dBuV] | [dB]       |
| 1  | .4500         | 40.4    | -   | 40.8   | -   | -      | -   | -      | -   | 40.8  | 48.0   | 7.2        |
| 2  | .5300         | 37.3    | -   | 37.8   | -   | -      | -   | -      | -   | 37.8  | 48.0   | 10.2       |
| 3  | .9000         | 33.6    | -   | 28.0   | -   | -      | -   | -      | -   | 33.6  | 48.0   | 14.4       |
| 4  | 1.6250        | 33.1    | -   | 30.3   | -   | -      | -   | -      | -   | 33.1  | 48.0   | 14.9       |
| 5  | 2.7000        | 38.7    | -   | 38.1   | -   | -      | -   | -      | -   | 38.7  | 48.0   | 9.3        |
| 6  | 2.9000        | 36.8    | -   | 38.5   | -   | -      | -   | -      | -   | 38.5  | 48.0   | 9.5        |
| 7  | 20.7000       | 22.3    | -   | 23.6   | -   | -      | -   | -      | -   | 23.6  | 48.0   | 24.4       |

OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC LIMIT

## MEASUREMENT OF CONDUCTED POWERLINE

COMPANY CANON INC. DATE 03.19.1998

EUT NAME    FACSIMILE

MODEL No. H12129 SITE CANON 3m S.A.C.

MODEL No. \_\_\_\_\_ ENGINEER Hirzakhun Jygl

MODEL No. \_\_\_\_\_ REGULATION FCC Part15B CLASS B

MODEL No. \_\_\_\_\_ LISN R/S ESH2-Z5 \_\_\_\_\_

RECEIVER R/S ESH23 RECEIVER S/N 893495/002

NOTES: AC 120 V / 60 Hz

RX MODE

[dBuV]

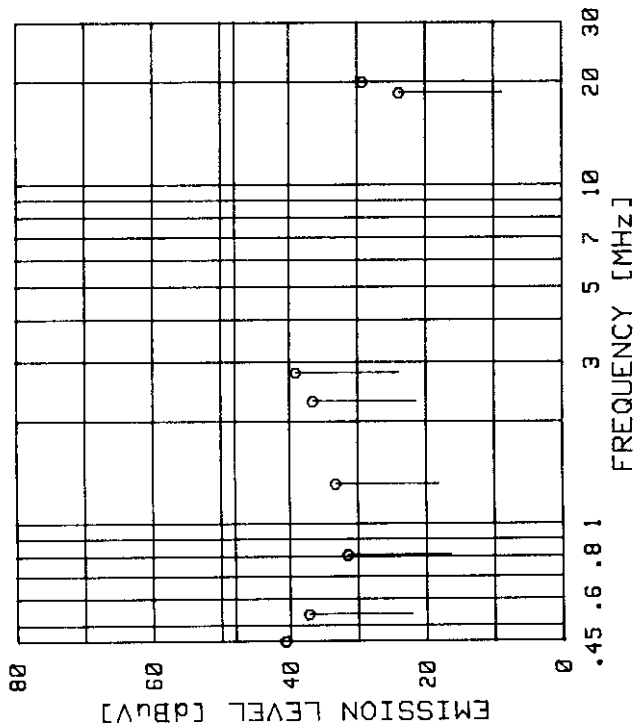
[illegible]

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

APPLICANT : CANON INC.  
 MODEL NUMBER : H12129  
 SERIAL NUMBER : DE-307  
 POWER SOURCE : AC 120V/60Hz  
 DESCRIPTION : PRINT MODE  
 DATE TESTED : 03.19.1998  
 FILE NUMBER : G398005  
 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    | NEUTRAL | LINE 1 | LINE 2 | LINE 3 | LISM | EMI  | FCC    | MARGIN |
|----|---------|---------|--------|--------|--------|------|------|--------|--------|
|    |         | QP      | AVE    | QP     | AVE    | QP   | AVE  | FACT   | LEVEL  |
|    | [MHz]   | [dBuV]  | [dBuV] | [dBuV] | [dBuV] | [dB] | [dB] | [dBuV] | [dB]   |
| 1  | .4500   | 40.3    | -      | 40.6   | -      | -    | -    | 40.6   | 48.0   |
| 2  | .5420   | 36.5    | -      | 37.2   | -      | -    | -    | 37.2   | 48.0   |
| 3  | .8100   | 31.5    | -      | 29.4   | -      | -    | -    | 31.5   | 48.0   |
| 4  | 1.3200  | 33.2    | -      | 27.1   | -      | -    | -    | 33.2   | 48.0   |
| 5  | 2.3000  | 35.5    | -      | 36.4   | -      | -    | -    | 36.5   | 48.0   |
| 6  | 2.8000  | 38.3    | -      | 39.0   | -      | -    | -    | 39.0   | 48.0   |
| 7  | 18.6300 | 23.8    | -      | 23.4   | -      | -    | -    | 23.8   | 48.0   |
| 8  | 20.0580 | 28.1    | -      | 29.2   | -      | -    | -    | 29.2   | 48.0   |

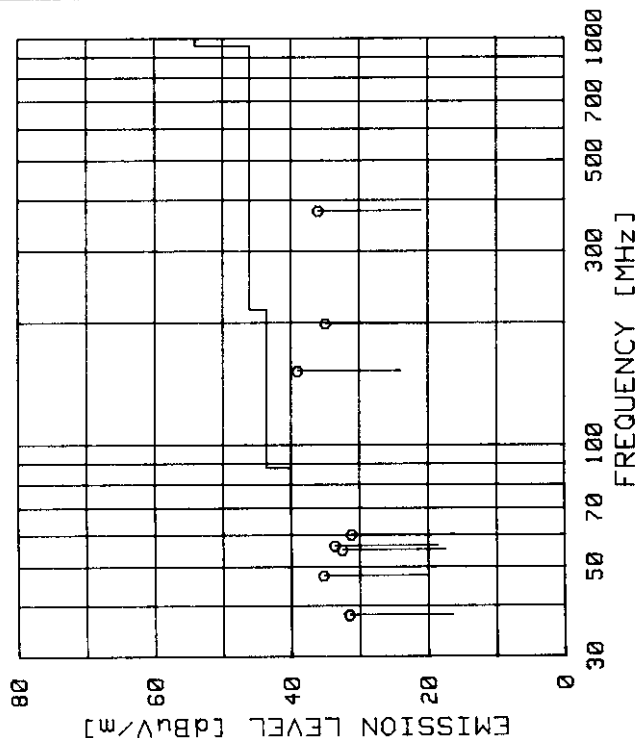
OTHER FREQUENCIES : MORE THAN 10dB BELOW THE FCC LIMIT



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

APPLICANT : CANON INC.  
 MODEL NUMBER : H12129  
 SERIAL NUMBER : DE-307  
 POWER SOURCE : AC 120V/60Hz  
 DESCRIPTION : STANDBY MODE  
 DATE TESTED : 03.17.1998  
 FILE NUMBER : G398005  
 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 ANT<br>[MHz] | READING |       | ANT FACTOR |       | CABLE<br>LOSS [dB] | AMP<br>GAIN [dB] | EMISSION<br>LEVEL |       | FCC<br>LIMIT | MARGIN |
|----|-------------------|---------|-------|------------|-------|--------------------|------------------|-------------------|-------|--------------|--------|
|    |                   | Hor     | Ver   | Hor        | Ver   |                    |                  | [dBuV/m]          | [dB]  |              |        |
| 1  | 38.03 BC          | 26.50   | 36.20 | 14.65      | 14.65 | 1.20               | 26.65            | 31.40             | 40.00 | 8.60         |        |
| 2  | 47.62 BC          | 28.90   | 42.60 | 11.82      | 11.82 | 1.37               | 26.62            | 35.17             | 40.00 | 4.83         |        |
| 3  | 55.20 BC          | 33.60   | 41.90 | 9.65       | 9.65  | 1.48               | 26.59            | 32.44             | 40.00 | 7.56         |        |
| 4  | 56.43 BC          | 37.50   | 43.40 | 9.22       | 9.22  | 1.48               | 26.58            | 33.52             | 40.00 | 6.48         |        |
| 5  | 60.17 BC          | 36.30   | 42.20 | 7.97       | 7.97  | 1.51               | 26.57            | 31.11             | 40.00 | 8.89         |        |
| 6  | 152.03 BC         | 41.90   | 40.50 | 14.67      | 14.67 | 2.59               | 26.22            | 38.94             | 43.50 | 4.56         |        |
| 7  | 199.17 BC         | 35.50   | 24.70 | 16.34      | 16.34 | 2.98               | 25.98            | 34.84             | 43.50 | 8.66         |        |
| 8  | 376.15 LP         | 36.50   | 33.00 | 15.56      | 15.56 | 4.32               | 26.47            | 35.91             | 46.00 | 10.09        |        |

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 23 °C AND THE HUMIDITY IS 30 %.



# CANON INC.

CANON 3m S.A.C.

## INTERFERENCE RADIATION TEST

APPLICANT : CANON INC.

MODEL NUMBER : H12129

SERIAL NUMBER : DE-307

POWER SOURCE : AC 120V/60Hz

DESCRIPTION : B&W COPY MODE

DATE TESTED : 03.16.1998

FILE NUMBER : G398005

REGULATION : FCC Part15B CLASS B

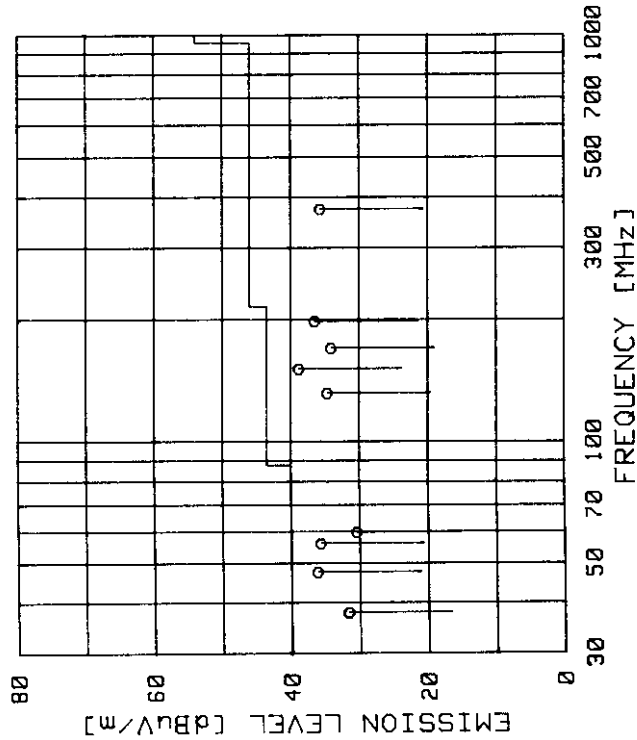
according to : ANSI C63.4-1992

ANT.PAD [dB] : 6.0

DISTANCE [m] : 3.0

ENGINEER :

KAZUHIRO YAGI



| No | FREQ ANT<br>[MHz] | READING |       | ANT FACTOR |       | CABLE<br>LOSS [dB] | AMP<br>GAIN [dB] | EMISSION<br>LEVEL [dBuV/m] | FCC<br>LIMIT | MARGIN |
|----|-------------------|---------|-------|------------|-------|--------------------|------------------|----------------------------|--------------|--------|
|    |                   | Hor     | Ver   | Hor        | Ver   |                    |                  |                            |              |        |
| 1  | 38.03 BC          | 26.70   | 36.40 | 14.65      | 14.65 | 1.20               | 26.65            | 31.60                      | 40.00        | 8.40   |
| 2  | 47.87 BC          | 26.50   | 43.60 | 11.74      | 11.74 | 1.38               | 26.61            | 36.11                      | 40.00        | 3.89   |
| 3  | 56.36 BC          | 40.40   | 45.50 | 9.25       | 9.25  | 1.48               | 26.58            | 35.65                      | 40.00        | 4.35   |
| 4  | 60.18 BC          | 36.10   | 41.50 | 7.97       | 7.97  | 1.51               | 26.57            | 30.41                      | 40.00        | 9.59   |
| 5  | 132.00 BC         | 39.00   | 33.00 | 13.53      | 13.53 | 2.40               | 26.31            | 34.62                      | 43.50        | 8.88   |
| 6  | 152.03 BC         | 41.70   | 40.40 | 14.67      | 14.67 | 2.59               | 26.22            | 38.74                      | 43.50        | 4.76   |
| 7  | 170.98 BC         | 35.70   | 28.80 | 15.68      | 15.68 | 2.78               | 26.10            | 34.06                      | 43.50        | 9.44   |
| 8  | 199.17 BC         | 37.10   | 25.70 | 16.34      | 16.34 | 2.98               | 25.98            | 36.44                      | 43.50        | 7.06   |
| 9  | 376.20 LP         | 36.20   | 32.80 | 15.56      | 15.56 | 4.32               | 26.47            | 35.61                      | 46.00        | 10.39  |

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 33 %.

## MEASUREMENT OF RADIATED RADIO NOISE

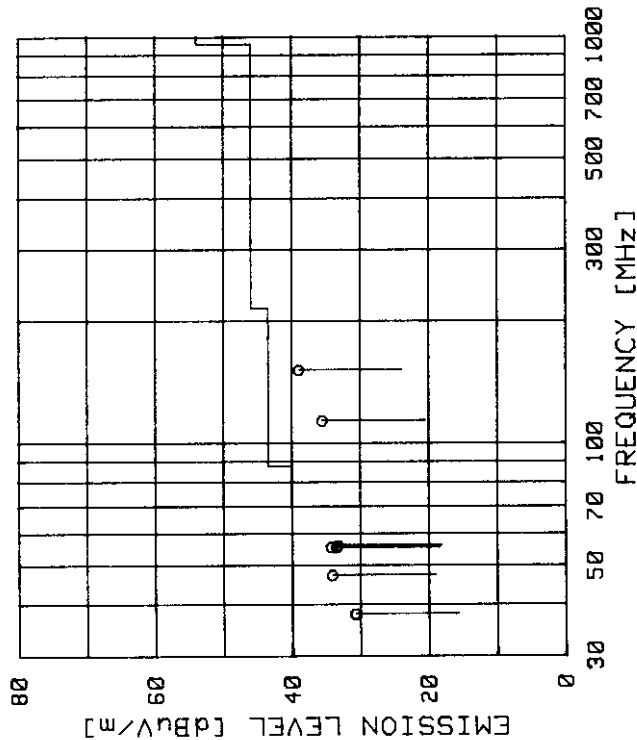
COMPANY CANON INC. DATE 03.16.1998  
EUT NAME FACSIMILE  
MODEL No. H12129 SITE CANON 3m S.A.C.  
MODEL No.                      ENGINEER Higashimura  
MODEL No.                      REGULATION FCC Part15B CLASS B  
MODEL No.                      TEST DISTANCE 3 m  
RECEIVER R/S ESVP RECEIVER S/N 892565/001  
NOTES: AC 120 V / 60 Hz TEMP./HUMIDITY 20 °C / 33 %  
B&W COPY MODE

[illegible]

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

APPLICANT : CANON INC.  
 MODEL NUMBER : H12129  
 SERIAL NUMBER : DE-307  
 POWER SOURCE : AC 120V/60Hz  
 DESCRIPTION : COLOR COPY MODE  
 DATE TESTED : 03.17.1998  
 FILE NUMBER : G398005  
 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<br>[MHz] | ANT | READING |       | ANT FACTOR |       | CABLE<br>LOSS [dB] | AMP<br>GAIN [dB] | EMISSION<br>LEVEL [dBuV/m] | FCC<br>LIMIT | MARGIN<br>[dB] |
|----|---------------|-----|---------|-------|------------|-------|--------------------|------------------|----------------------------|--------------|----------------|
|    |               |     | Hor     | Ver   | Hor        | Ver   |                    |                  |                            |              |                |
| 1  | 38.03         | BC  | 26.50   | 35.50 | 14.65      | 14.65 | 1.20               | 26.65            | 30.70                      | 40.00        | 9.30           |
| 2  | 47.60         | BC  | 22.50   | 41.50 | 11.83      | 11.83 | 1.37               | 26.62            | 34.00                      | 40.00        | 5.92           |
| 3  | 55.70         | BC  | 36.30   | 43.10 | 9.48       | 9.48  | 1.48               | 26.58            | 33.48                      | 40.00        | 6.52           |
| 4  | 55.80         | BC  | 36.30   | 43.90 | 9.44       | 9.44  | 1.48               | 26.58            | 34.24                      | 40.00        | 5.76           |
| 5  | 56.39         | BC  | 37.60   | 43.10 | 9.24       | 9.24  | 1.48               | 26.58            | 33.24                      | 40.00        | 6.76           |
| 6  | 114.03        | BC  | 42.00   | 39.10 | 11.65      | 11.65 | 2.22               | 26.35            | 35.52                      | 43.50        | 7.98           |
| 7  | 152.03        | BC  | 41.90   | 41.20 | 14.67      | 14.67 | 2.59               | 26.22            | 38.94                      | 43.50        | 4.56           |

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

EMISSION LEVEL = READING LEVEL + ANTENNA FACTOR + CABLE LOSS

- AMP GAIN + ANTENNA PAD

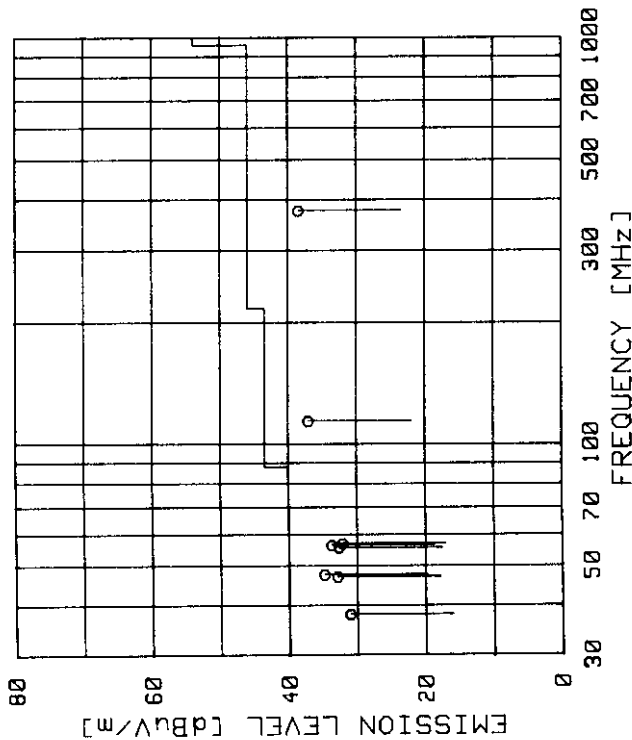
THE TEMPERATURE IS 21 °C AND THE HUMIDITY IS 30 %.



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

APPLICANT : CANON INC.  
 MODEL NUMBER : H12129  
 SERIAL NUMBER : DE-307  
 POWER SOURCE : AC 120V/60Hz  
 DESCRIPTION : TX MODE  
 DATE TESTED : 03.16.1998  
 FILE NUMBER : G398005  
 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 | READING<br>Hor [dBuV] | Ver [dB] | ANT FACTOR<br>Hor [dB] | Ver [dB] | CABLE LOSS<br>[dB] | AMP GAIN<br>[dB] | EMISSION LEVEL<br>[dBuV/m] | FCC LIMIT | MARGIN<br>[dB] |
|----|------------|-----|-----------------------|----------|------------------------|----------|--------------------|------------------|----------------------------|-----------|----------------|
| 1  | 38.03      | BC  | 26.60                 | 35.80    | 14.65                  | 14.65    | 1.20               | 26.65            | 31.00                      | 40.00     | 9.00           |
| 2  | 47.08      | BC  | 22.00                 | 40.10    | 12.00                  | 12.00    | 1.37               | 26.62            | 32.85                      | 40.00     | 7.15           |
| 3  | 47.61      | BC  | 26.60                 | 42.20    | 11.83                  | 11.83    | 1.37               | 26.62            | 34.78                      | 40.00     | 5.22           |
| 4  | 55.60      | BC  | 34.30                 | 42.20    | 9.51                   | 9.51     | 1.48               | 26.58            | 32.61                      | 40.00     | 7.39           |
| 5  | 56.47      | BC  | 37.70                 | 43.60    | 9.21                   | 9.21     | 1.48               | 26.58            | 33.71                      | 40.00     | 6.29           |
| 6  | 57.07      | BC  | 37.10                 | 42.20    | 9.00                   | 9.00     | 1.49               | 26.58            | 32.11                      | 40.00     | 7.89           |
| 7  | 114.03     | BC  | 43.50                 | 43.40    | 11.65                  | 11.65    | 2.22               | 26.35            | 37.02                      | 43.50     | 6.48           |
| 8  | 376.15     | LP  | 39.00                 | 32.30    | 15.56                  | 15.56    | 4.32               | 26.47            | 38.41                      | 46.00     | 7.59           |

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 19 °C AND THE HUMIDITY IS 36 %.

## MEASUREMENT OF RADIATED RADIO NOISE

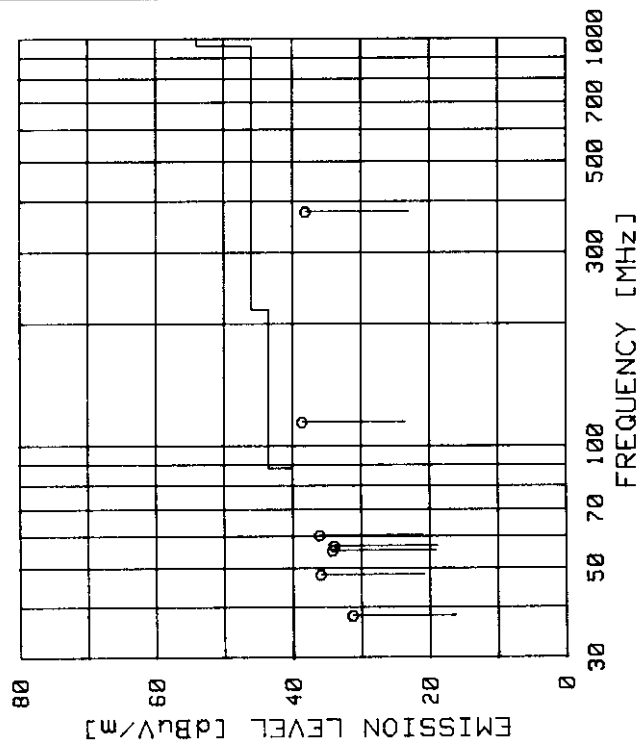
COMPANY CANON INC. DATE 03.16.1998  
EUT NAME FACSIMILE  
MODEL No. H12129 SITE CANON 3m S.A.C.  
MODEL No. \_\_\_\_\_ ENGINEER Higashimura  
MODEL No. \_\_\_\_\_ REGULATION FCC Part15B CLASS B  
MODEL No. \_\_\_\_\_ TEST DISTANCE 3 m  
RECEIVER R/S ESVP RECEIVER S/N 892565/001  
NOTES: AC 120 V / 60 Hz TEMP./HUMIDITY 19 °C / 36 %  
TX MODE

[illegible]

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

APPLICANT : CANON INC.  
MODEL NUMBER : H12129  
SERIAL NUMBER : DE-307  
POWER SOURCE : AC 120V/60Hz  
DESCRIPTION : RX MODE  
DATE TESTED : 03.16.1998  
FILE NUMBER : G398005  
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<br>[MHz] | ANT | READING |       | ANT FACTOR |       | CABLE<br>LOSS [dB] | AMP<br>GAIN [dB] | EMISSION<br>LEVEL [dBuV/m] | FCC<br>LIMIT | MARGIN |
|----|---------------|-----|---------|-------|------------|-------|--------------------|------------------|----------------------------|--------------|--------|
|    |               |     | Hor     | Ver   | Hor        | Ver   |                    |                  |                            |              |        |
| 1  | 38.03         | BC  | 26.70   | 36.00 | 14.65      | 14.65 | 1.20               | 26.65            | 31.20                      | 40.00        | 8.80   |
| 2  | 40.12         | BC  | 26.00   | 43.40 | 11.66      | 11.66 | 1.30               | 26.61            | 35.83                      | 40.00        | 4.17   |
| 3  | 55.17         | BC  | 34.70   | 43.60 | 9.66       | 9.66  | 1.40               | 26.59            | 34.15                      | 40.00        | 5.85   |
| 4  | 56.60         | BC  | 37.40   | 43.80 | 9.17       | 9.17  | 1.49               | 26.58            | 33.88                      | 40.00        | 6.12   |
| 5  | 60.16         | BC  | 36.10   | 47.10 | 7.97       | 7.97  | 1.51               | 26.57            | 36.01                      | 40.00        | 3.99   |
| 6  | 114.03        | BC  | 45.00   | 44.60 | 11.65      | 11.65 | 2.22               | 26.35            | 38.52                      | 43.50        | 4.98   |
| 7  | 376.15        | LP  | 38.60   | 32.50 | 15.56      | 15.56 | 4.32               | 26.47            | 38.01                      | 46.00        | 7.99   |

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 19 °C AND THE HUMIDITY IS 38 %.

# MEASUREMENT OF RADIATED RADIO NOISE

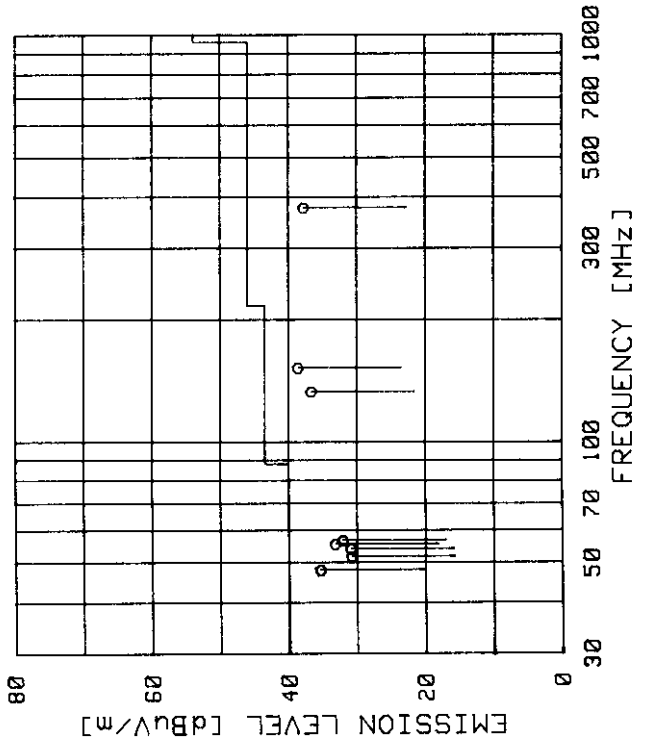
|           |                  |                |                        |
|-----------|------------------|----------------|------------------------|
| COMPANY   | CANON INC.       | DATE           | 03.16.1998             |
| EUT NAME  | FACSIMILE        |                |                        |
| MODEL No. | H12129           | SITE           | CANON 3m S.A.C.        |
| MODEL No. |                  | ENGINEER       | <i>Bozidaric yegic</i> |
| 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 | 19 °C / 38 %           |
|           | RX MODE          |                |                        |

[illegible]

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

APPLICANT : CANON INC.  
 MODEL NUMBER : H12129  
 SERIAL NUMBER : DE-307  
 POWER SOURCE : AC 120V/60Hz  
 DESCRIPTION : PRINT MODE  
 DATE TESTED : 03.17.1998  
 FILE NUMBER : G398005  
 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 ANT<br>[MHz] | READING<br>Hor Ver<br>[dBuV] | ANT FACTOR<br>Hor Ver<br>[dB] | CABLE<br>LOSS<br>[dB] | AMP<br>GAIN<br>[dB] | EMISSION<br>LEVEL<br>[dBuV/m] | FCC<br>LIMIT<br>[dB] | MARGIN |
|----|-------------------|------------------------------|-------------------------------|-----------------------|---------------------|-------------------------------|----------------------|--------|
| 1  | 47.90 BC          | 37.70 42.80                  | 11.73 11.73                   | 1.38                  | 26.61               | 35.30                         | 40.00                | 4.70   |
| 2  | 51.70 BC          | 26.50 39.30                  | 10.60 10.60                   | 1.43                  | 26.60               | 30.73                         | 40.00                | 9.27   |
| 3  | 53.95 BC          | 32.80 40.00                  | 10.00 10.00                   | 1.46                  | 26.59               | 30.87                         | 40.00                | 9.13   |
| 4  | 55.47 BC          | 34.10 42.70                  | 9.55 9.55                     | 1.48                  | 26.58               | 33.15                         | 40.00                | 6.85   |
| 5  | 56.66 BC          | 36.00 42.00                  | 9.14 9.14                     | 1.49                  | 26.58               | 32.05                         | 40.00                | 7.95   |
| 6  | 132.80 BC         | 41.00 31.90                  | 13.53 13.53                   | 2.40                  | 26.31               | 36.62                         | 43.50                | 6.88   |
| 7  | 152.03 BC         | 41.50 40.30                  | 14.67 14.67                   | 2.59                  | 26.22               | 38.54                         | 43.50                | 4.96   |
| 8  | 376.24 LP         | 38.30 35.10                  | 15.56 15.56                   | 4.32                  | 26.47               | 37.71                         | 46.00                | 8.29   |

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 23 °C AND THE HUMIDITY IS 30 %.

