

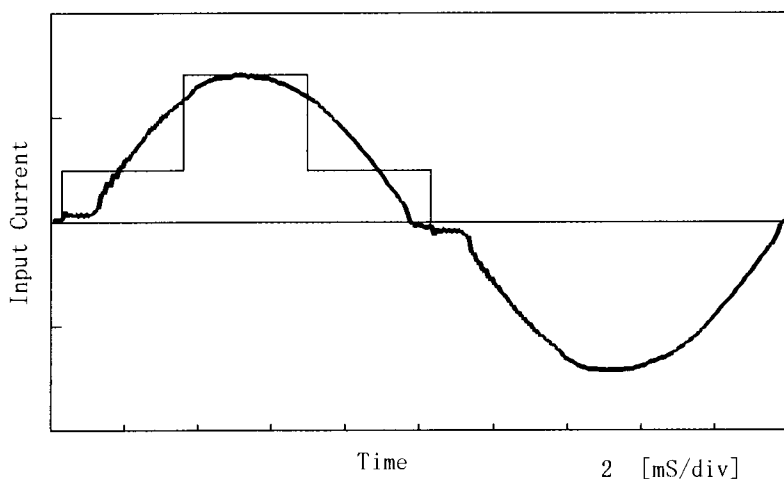
COSEL

| | | | |
|--------|---------------------------|-------------------|----------|
| Model | FCA200F-24 | Temperature | 25℃ |
| Item | Harmonic Current 高調波電流 | Testing Circuitry | Figure E |
| Object | | | |

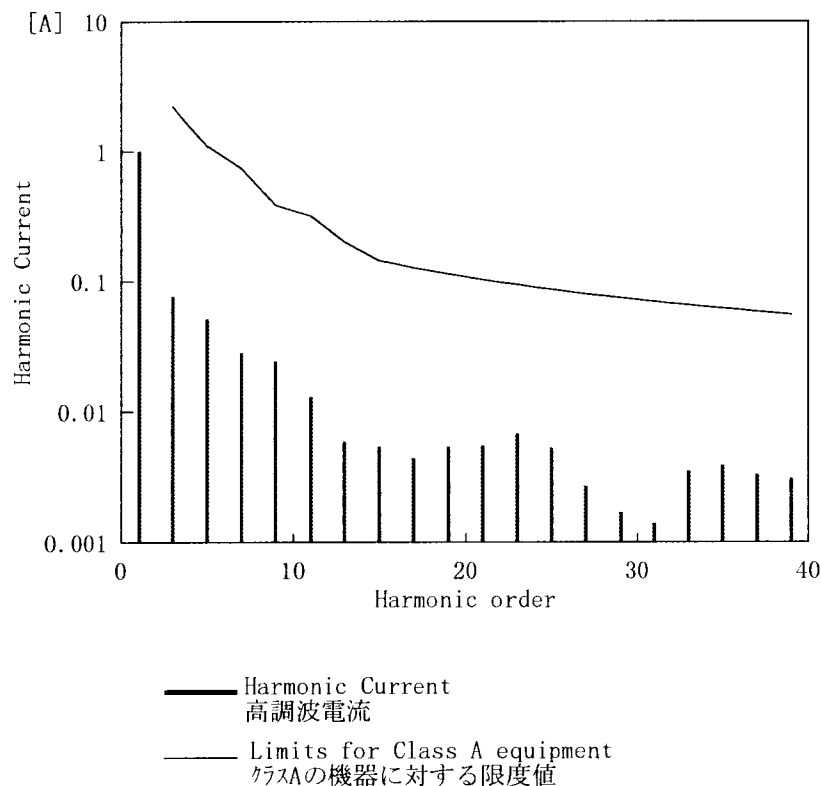
1. Input Current Waveform

— Input Current
 — Envelope of the input current to classify equipment as Class D
 クラスDの機器を決定するための入力電流包絡線

1 A/div



2. Harmonic Current



| Conditions | Values |
|---------------------|--------|
| Input Voltage [V] | 240 |
| Input Current [A] | 1.014 |
| Active Power [W] | 238.1 |
| Apparent Power [VA] | 242.9 |
| Frequency [Hz] | 50 |
| Power Factor | 0.980 |
| Output Power [W] | 200 |

| Harmonics order 高調波次数 | Limits 限度値 [A] | Values 測定値 [A] |
|--------------------------|-------------------|-------------------|
| 1 | — | 1.00840 |
| 2 | — | 0.00060 |
| 3 | 2.20417 | 0.07700 |
| 4 | — | 0.00030 |
| 5 | 1.09250 | 0.05130 |
| 6 | — | 0.00010 |
| 7 | 0.73792 | 0.02850 |
| 8 | — | 0.00010 |
| 9 | 0.38333 | 0.02450 |
| 10 | — | 0.00010 |
| 11 | 0.31625 | 0.01300 |
| 12 | — | 0.00010 |
| 13 | 0.20125 | 0.00590 |
| 14 | — | 0.00030 |
| 15 | 0.14375 | 0.00540 |
| 16 | — | 0.00010 |
| 17 | 0.12684 | 0.00440 |
| 18 | — | 0.00010 |
| 19 | 0.11349 | 0.00540 |
| 20 | — | 0.00010 |
| 21 | 0.10268 | 0.00550 |
| 22 | — | 0.00000 |
| 23 | 0.09375 | 0.00680 |
| 24 | — | 0.00010 |
| 25 | 0.08625 | 0.00530 |
| 26 | — | 0.00010 |
| 27 | 0.07986 | 0.00270 |
| 28 | — | 0.00010 |
| 29 | 0.07435 | 0.00170 |
| 30 | — | 0.00010 |
| 31 | 0.06956 | 0.00140 |
| 32 | — | 0.00010 |
| 33 | 0.06534 | 0.00350 |
| 34 | — | 0.00010 |
| 35 | 0.06161 | 0.00390 |
| 36 | — | 0.00000 |
| 37 | 0.05828 | 0.00330 |
| 38 | — | 0.00000 |
| 39 | 0.05529 | 0.00310 |
| 40 | — | 0.00000 |

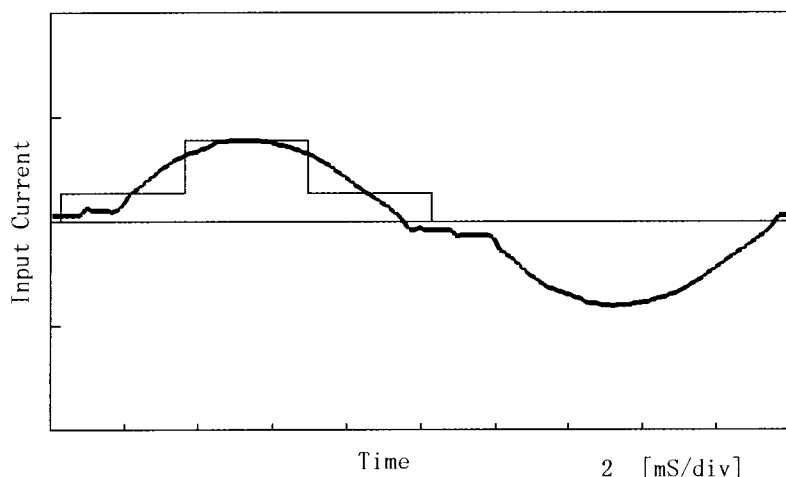
COSEL

| | | | |
|--------|---------------------------|-------------------|----------|
| Model | FCA200F-24 | Temperature | 25°C |
| Item | Harmonic Current 高調波電流 | Testing Circuitry | Figure E |
| Object | | | |

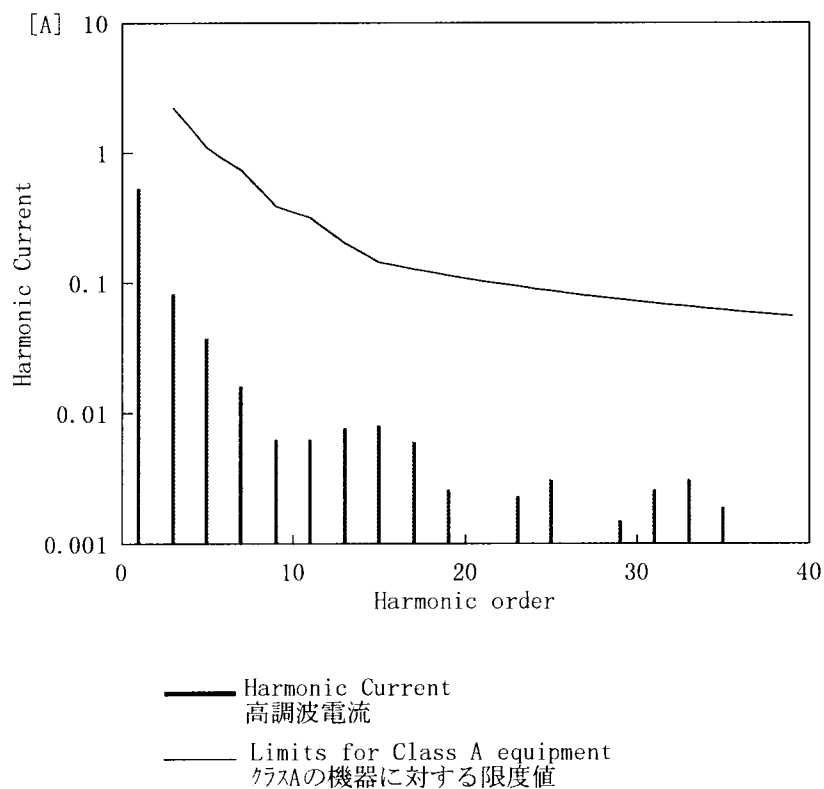
1. Input Current Waveform

— Input Current
 — Envelope of the input current to classify equipment as Class D
 クラスDの機器を決定するための入力電流包絡線

1 A/div



2. Harmonic Current



| Conditions | Values |
|---------------------|--------|
| Input Voltage [V] | 240 |
| Input Current [A] | 0.517 |
| Active Power [W] | 135.5 |
| Apparent Power [VA] | 139.7 |
| Frequency [Hz] | 50 |
| Power Factor | 0.970 |
| Output Power [W] | 100 |

| Harmonics order 高調波次数 | Limits 限度値 [A] | Values 測定値 [A] |
|--------------------------|-------------------|-------------------|
| 1 | — | 0.53340 |
| 2 | — | 0.00050 |
| 3 | 2.20233 | 0.08250 |
| 4 | — | 0.00010 |
| 5 | 1.09159 | 0.03750 |
| 6 | — | 0.00010 |
| 7 | 0.73730 | 0.01610 |
| 8 | — | 0.00010 |
| 9 | 0.38301 | 0.00630 |
| 10 | — | 0.00010 |
| 11 | 0.31599 | 0.00630 |
| 12 | — | 0.00010 |
| 13 | 0.20108 | 0.00770 |
| 14 | — | 0.00010 |
| 15 | 0.14363 | 0.00800 |
| 16 | — | 0.00000 |
| 17 | 0.12673 | 0.00600 |
| 18 | — | 0.00000 |
| 19 | 0.11339 | 0.00260 |
| 20 | — | 0.00000 |
| 21 | 0.10259 | 0.00100 |
| 22 | — | 0.00000 |
| 23 | 0.09367 | 0.00230 |
| 24 | — | 0.00000 |
| 25 | 0.08618 | 0.00310 |
| 26 | — | 0.00000 |
| 27 | 0.07979 | 0.00100 |
| 28 | — | 0.00010 |
| 29 | 0.07429 | 0.00150 |
| 30 | — | 0.00010 |
| 31 | 0.06950 | 0.00260 |
| 32 | — | 0.00000 |
| 33 | 0.06529 | 0.00310 |
| 34 | — | 0.00000 |
| 35 | 0.06156 | 0.00190 |
| 36 | — | 0.00000 |
| 37 | 0.05823 | 0.00050 |
| 38 | — | 0.00000 |
| 39 | 0.05524 | 0.00090 |
| 40 | — | 0.00000 |



RADIATED EMISSION

Model Name : FCA200F-24

Model No. : -

Serial No. : -

Points : 5

Detector : PEAK/QP

Polarization : Hori. & Vert.

Temp. : 25 deg C

Humi. : 45%

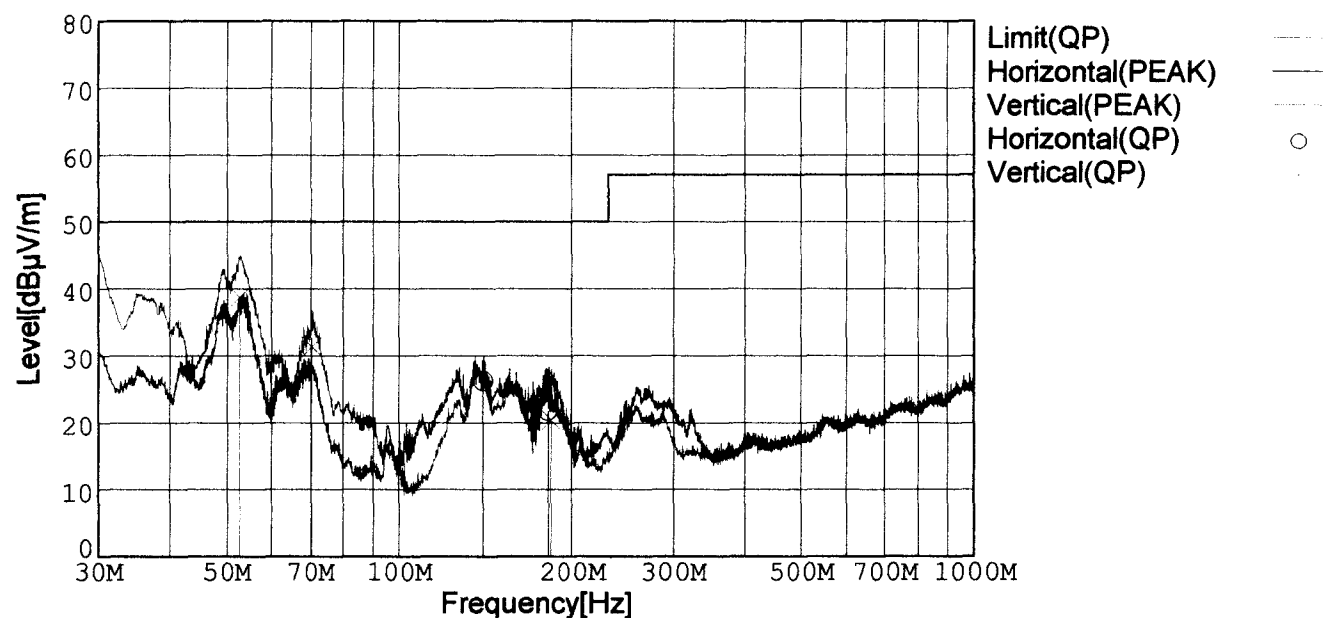
Condition : AC240V Load100% +24V8.4A

Date : 2001/4/25 22:36

Test Equip. : R3132,ESPC

Tested by : T.Okamoto

Limit: [CISPR 11] Class A Group 1<3m>



| Frequency [MHz] | Meter Reading (QP) [dBμV] | Ant. Type | Antenna Factor [dB/m] | Cable & Preamp [dB] | Level (QP) [dBμV/m] | Angle[°] | Height [cm] | Polar. | Limit [dBμV/m] | Margin [dB] |
|-----------------|---------------------------|-----------|-----------------------|---------------------|---------------------|----------|-------------|--------|----------------|-------------|
| 140.244 | 46.8 | BL | 10.8 | -31.4 | 26.2 | 270 | 155 | Hori. | 50.0 | 23.8 |
| 181.567 | 44.5 | BL | 8.4 | -31.2 | 21.7 | 236 | 157 | Hori. | 50.0 | 28.3 |
| 52.702 | 64.1 | BL | 6.6 | -31.9 | 38.8 | 95 | 135 | Vert. | 50.0 | 11.2 |
| 70.306 | 57.7 | BL | 5.5 | -31.8 | 31.4 | 76 | 101 | Vert. | 50.0 | 18.6 |
| 183.621 | 43.2 | BL | 8.4 | -31.2 | 20.4 | 172 | 105 | Vert. | 50.0 | 29.6 |

BL: Biconi-Log



LINE CONDUCTION

Model Name : FCA200F-24

Model No. : -

Serial No. : -

Points : 5

Detector : PEAK/QP/Ave.

Line Mode : VA

Limit1: [CISPR Pub11] Class A Gr.1(QP)

Limit2: [CISPR Pub11] Class A Gr.1(Ave.)

Temp. : 25 deg C

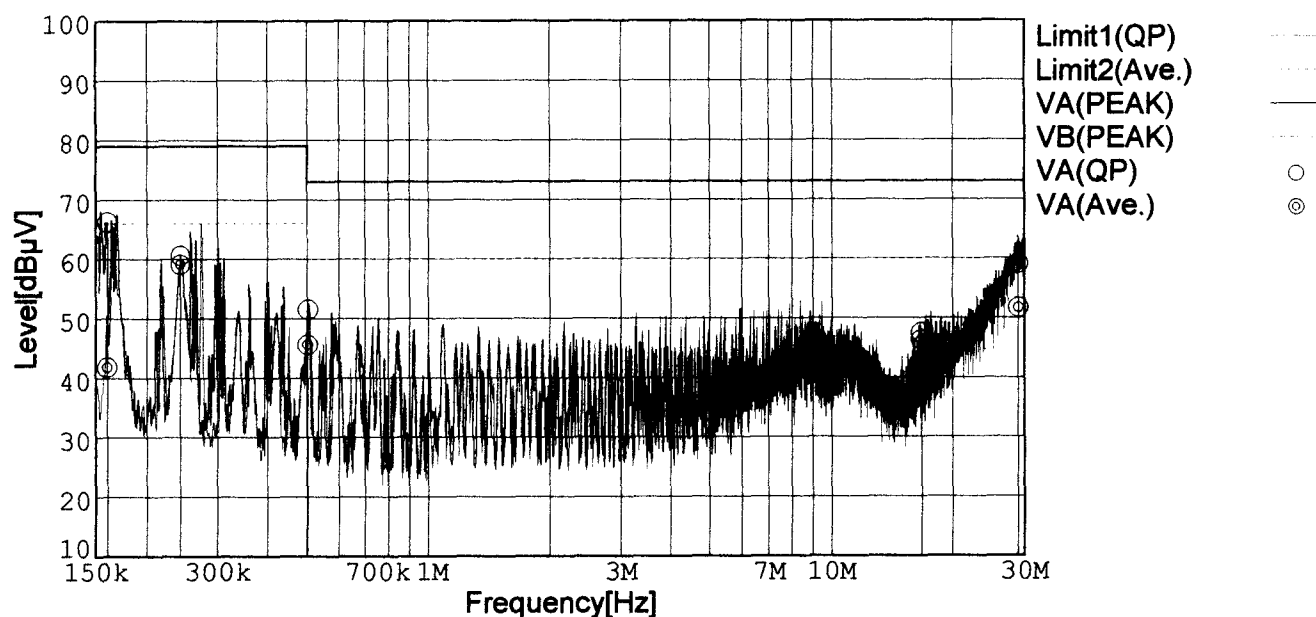
Humi. : 45%

Condition : AC240V Load100%+24V8.4A

Date : 2001/4/25 21:13

Test Equip. : R3132,ESPC

Tested by : T.Okamoto



| Frequency [MHz] | Meter Reading (QP) [dBμV] | Meter Reading (Ave.) [dBμV] | Factor [dB] | Level (QP) [dBμV] | Level (Ave.) [dBμV] | Line | Limit (QP) [dBμV] | Limit (Ave.) [dBμV] | Margin (QP)[dB] | Margin (Ave.) [dB] |
|--------------------|------------------------------------|--------------------------------------|----------------|-------------------------|---------------------------|------|-------------------------|---------------------------|--------------------|--------------------------|
| 0.1604 | 56.4 | 32.0 | 9.8 | 66.2 | 41.8 | VA | 79.0 | 66.0 | 12.8 | 24.2 |
| 0.2433 | 50.8 | 49.3 | 9.8 | 60.6 | 59.1 | VA | 79.0 | 66.0 | 18.4 | 6.9 |
| 0.5023 | 41.7 | 35.8 | 9.8 | 51.5 | 45.6 | VA | 73.0 | 60.0 | 21.5 | 14.4 |
| 16.7199 | 37.3 | 36.1 | 10.2 | 47.5 | 46.3 | VA | 73.0 | 60.0 | 25.5 | 13.7 |
| 28.9541 | 48.7 | 41.3 | 10.4 | 59.1 | 51.7 | VA | 73.0 | 60.0 | 13.9 | 8.3 |