

ZWS30C

EVALUATION DATA

型式データ

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2. 特性データ Characteristics

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定義 Definition

Vin 入力電圧 Input voltage
Vout 出力電圧 Output voltage
Iin 入力電流 Input current
Iout 出力電流 Output current
Ta 周囲温度 Ambient temperature
f 周波数 Frequency

※ 当社測定条件における結果であり、参考値としてお考え願います。

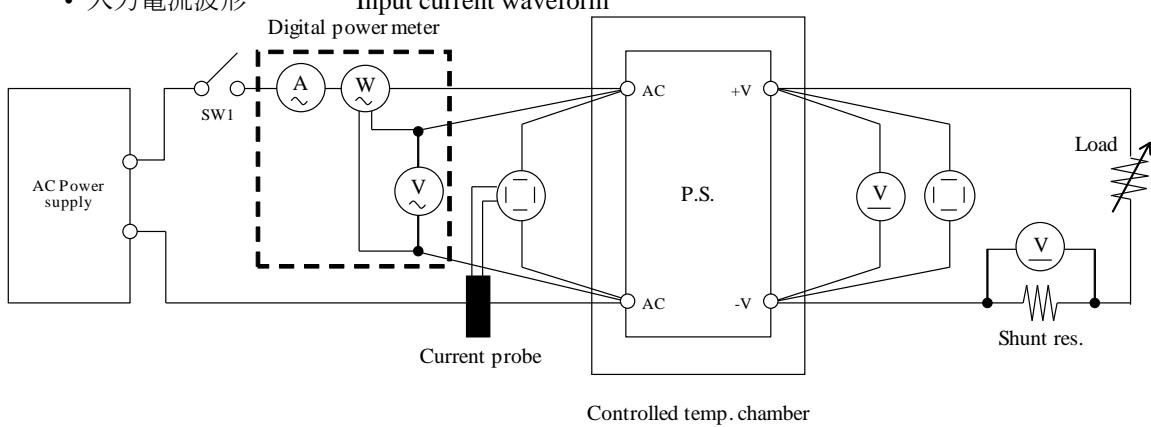
Test results are reference data based on our measurement condition.

1. 測定方法 Evaluation Method

1-1. 測定回路 Circuit used for determination

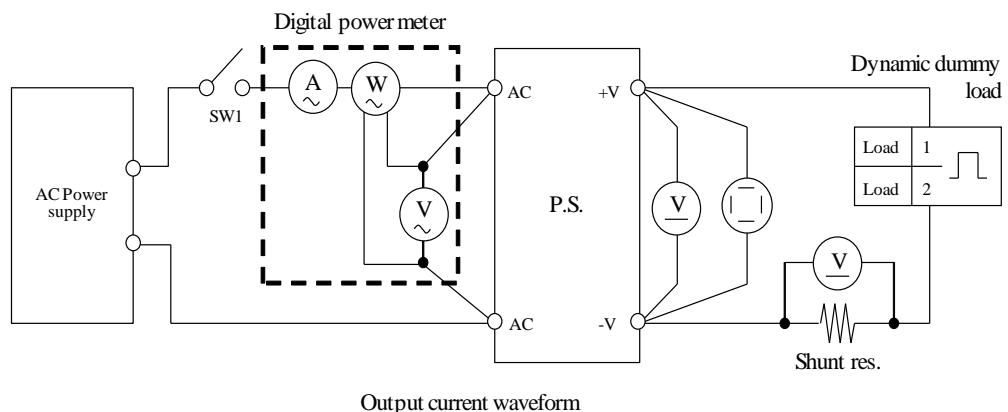
測定回路1 Circuit 1 used for determination

- 静特性 Steady state data
- 通電ドリフト特性 Warm up voltage drift characteristics
- 出力保持時間特性 Hold up time characteristics
- 出力立ち上がり特性 Output rise characteristics
- 出力立ち下がり特性 Output fall characteristics
- 過電流保護特性 Over current protection (OCP) characteristics
- 過電圧保護特性 Over voltage protection (OVP) characteristics
- 入力電圧瞬停特性 Response to brown out characteristics
- 入力電流波形 Input current waveform

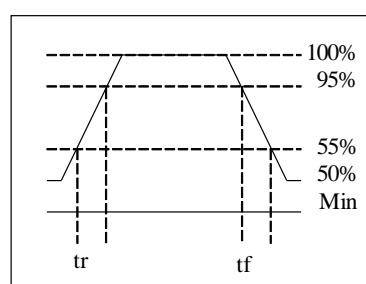


測定回路2 Circuit 2 used for determination

- 過渡応答(負荷急変)特性 Dynamic load response characteristics

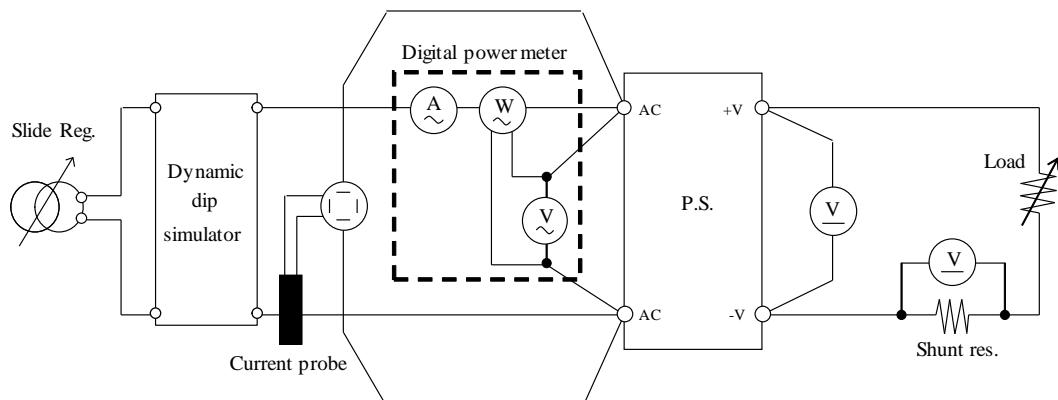


Output current waveform
Iout 50% \leftrightarrow 100%

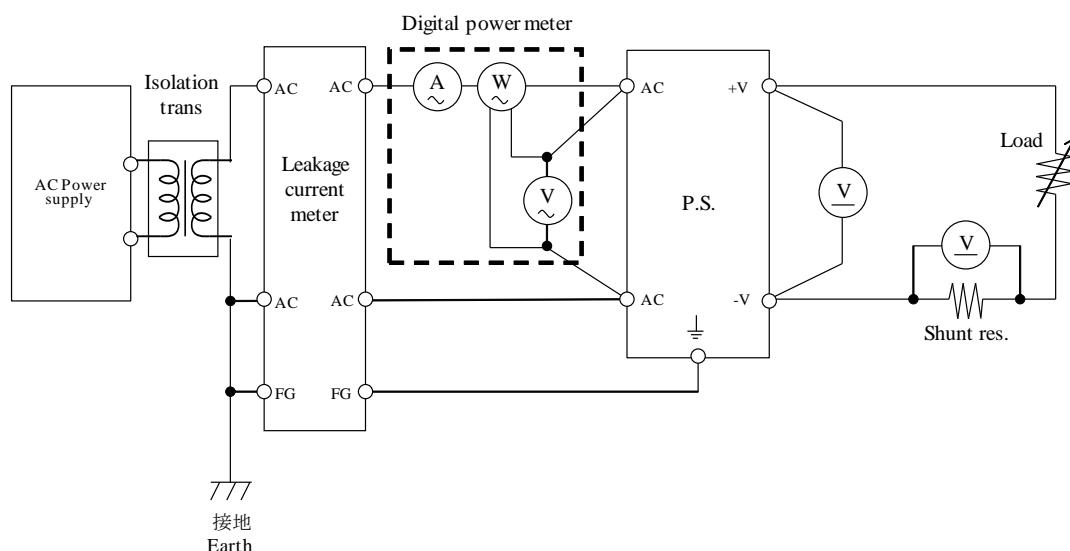


測定回路3 Circuit 3 used for determination

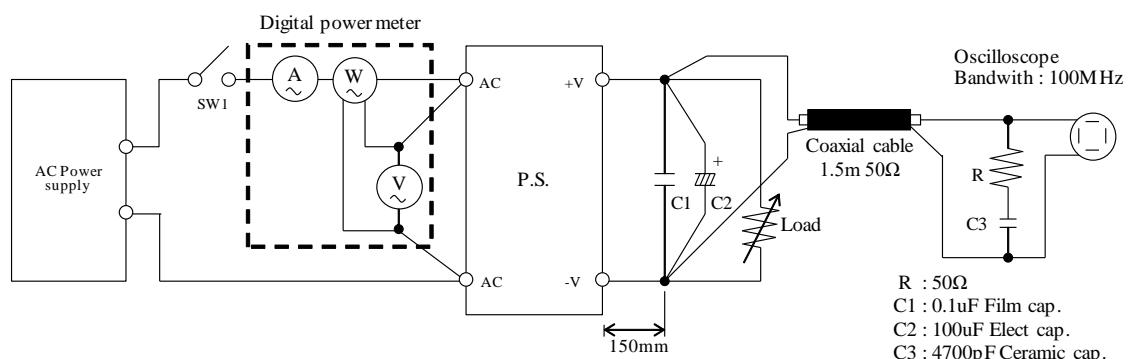
- 入力サージ電流（突入電流）波形 Inrush current waveform

測定回路4 Circuit 4 used for determination

- リーク電流特性 Leakage current characteristics

測定回路5 Circuit 5 used for determination

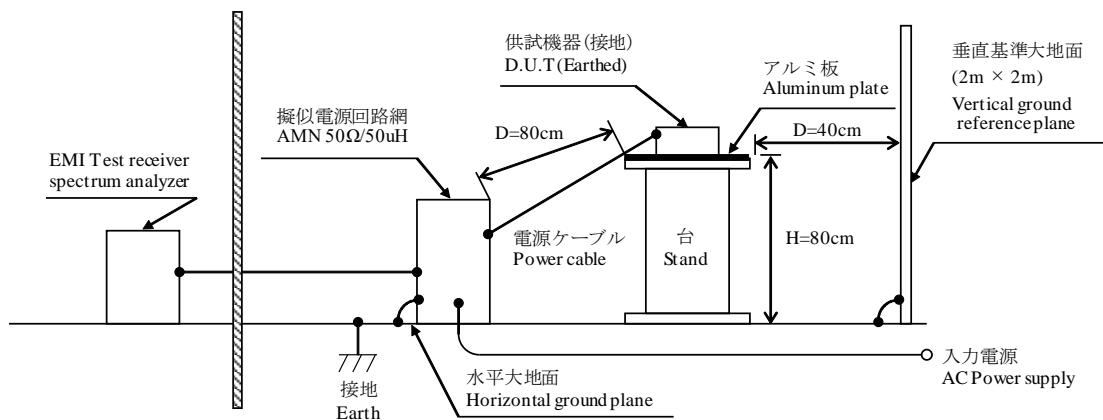
- 出力リップル、ノイズ波形 Output ripple and noise waveform



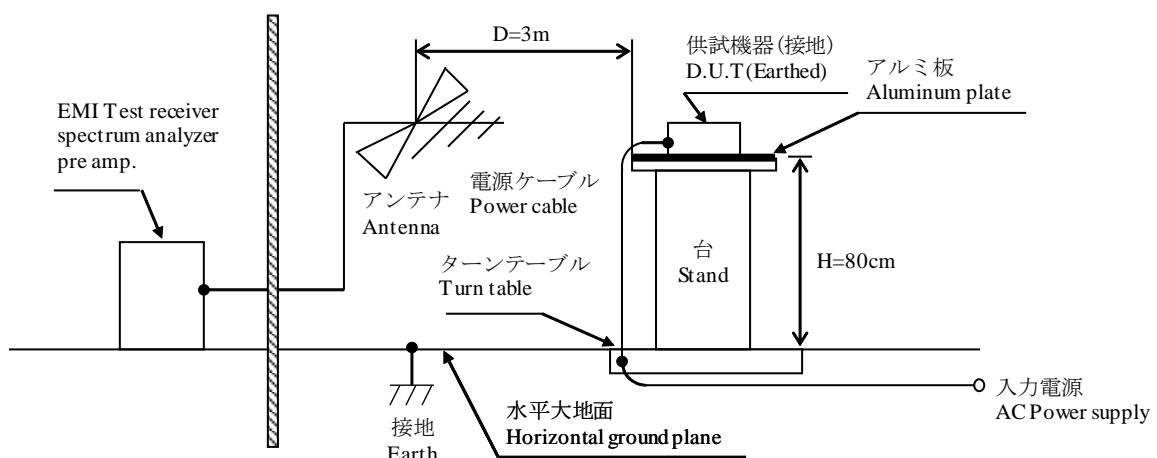
測定構成 Configuration used for determination

• EMI特性 Electro-Magnetic Interference characteristics

(a) 雑音端子電圧(帰還ノイズ) Conducted Emission



(b) 雑音電界強度(放射ノイズ) Radiated Emission



1-2. 使用測定機器 List of equipment used

	EQUIPMENT USED	MANUFACTURER	MODEL NO.
1	DIGITAL STORAGE OSCILLOSCOPE	YOKOGAWA ELECT.	DLM3054
2	DIGITAL MULTIMETER	AGILENT	34970A
3	DIGITAL POWER METER	YOKOGAWA ELECT.	WT210
4	CURRENT PROBE	TEKTRONIX	TPC312 / TP305A
5	CURRENT AMP	TEKTRONIX	TCPA300
6	DYNAMIC DUMMY LOAD	CHROMA	63103A
7	CVCF	CHROMA	6530
8	CVCF	CHROMA	61603
9	CVCF	KIKUSUI	PCR2000W / PCR1000LE
10	CONTROLLED TEMP. CHAMBER	ESPEC	SU-261 / SU-262
11	EMI TEST RECEIVER / SPECTRUM ANALYZER	ROHM & SCHWARZ	ESCI / ESR3
12	LISN	ROHM & SCHWARZ	ENV216
13	ANTENNA	SCHWARZBECK	VULB 9168
14	PRE-AMPLIFIER	EMCI	EMC9135 (EMCI)
15	DUMMY LOAD	FUTABA	RAGR SERIES
16	LEAKAGE CURRENT METER	EXTECH	7611

2. 特性データ Characteristics

2-1. 静特性 Steady state data

(1) 入力・負荷・温度変動／出力起動・遮断電圧

Regulation - line and load, Temperature drift / Start up voltage and Drop out voltage

5V

1. Regulation - line and load

Iout \ Vin	85VAC	100VAC	200VAC	265VAC	Line regulation	
0%	5.029V	5.025V	5.029V	5.025V	4mV	0.080%
50%	5.024V	5.024V	5.024V	5.024V	0mV	0.000%
Full load	5.017V	5.018V	5.018V	5.018V	1mV	0.020%
Load regulation	12mV 0.240%	7mV 0.140%	11mV 0.220%	7mV 0.140%		

Condition Ta : 25 °C

2. Temperature drift

Conditions Vin : 100 VAC
Iout : 100 %

Ta	-10°C	+25°C	+50°C	Temperature stability	
Vout	5.006V	5.018V	5.018V	12mV	0.240%

3. Start up voltage and Drop out voltage

Conditions Ta : 25 °C
Iout : 100 %

Start up voltage (Vin)	68VAC
Drop out voltage (Vin)	49VAC

12V

1. Regulation - line and load

Condition Ta : 25 °C

Iout \ Vin	85VAC	100VAC	200VAC	265VAC	Line regulation	
0%	12.070V	12.062V	12.071V	12.063V	9mV	0.075%
50%	12.061V	12.061V	12.061V	12.060V	1mV	0.008%
Full load	12.060V	12.059V	12.058V	12.058V	2mV	0.017%
Load regulation	10mV 0.083%	3mV 0.025%	13mV 0.108%	5mV 0.042%		

2. Temperature drift

Conditions Vin : 100 VAC
Iout : 100 %

Ta	-10°C	+25°C	+50°C	Temperature stability	
Vout	12.049V	12.059V	12.049V	10mV	0.083%

3. Start up voltage and Drop out voltage

Conditions Ta : 25 °C
Iout : 100 %

Start up voltage (Vin)	68VAC
Drop out voltage (Vin)	59VAC

24V

1. Regulation - line and load

Condition Ta : 25 °C

Iout \ Vin	85VAC	100VAC	200VAC	265VAC	Line regulation	
0%	23.961V	23.977V	23.964V	23.967V	16mV	0.067%
50%	23.962V	23.962V	23.961V	23.961V	1mV	0.004%
Full load	23.960V	23.960V	23.959V	23.959V	1mV	0.004%
Load regulation	2mV 0.008%	17mV 0.071%	5mV 0.021%	8mV 0.033%		

2. Temperature drift

Conditions Vin : 100 VAC
Iout : 100 %

Ta	-10°C	+25°C	+50°C	Temperature stability	
Vout	23.957V	23.960V	23.929V	31mV	0.129%

3. Start up voltage and Drop out voltage

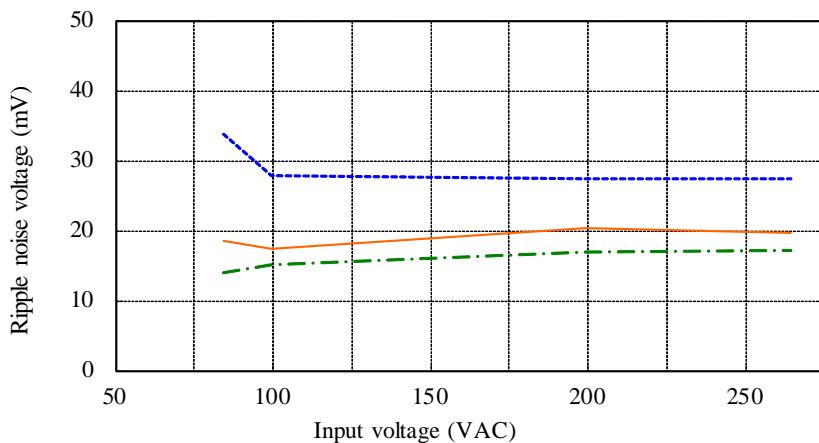
Conditions Ta : 25 °C
Iout : 100 %

Start up voltage (Vin)	68VAC
Drop out voltage (Vin)	56VAC

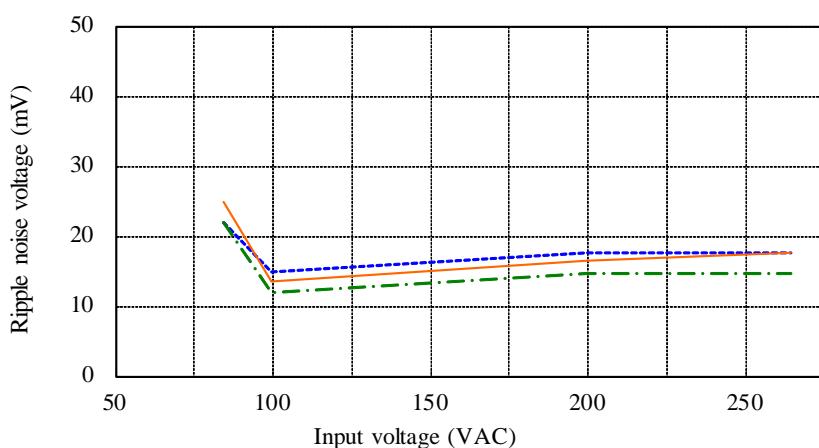
(2) リップルノイズ電圧対入力電圧 Ripple noise voltage vs. Input voltage

Conditions Iout : 100 %
 Ta : -10 °C -----
 25 °C - - -
 50 °C —

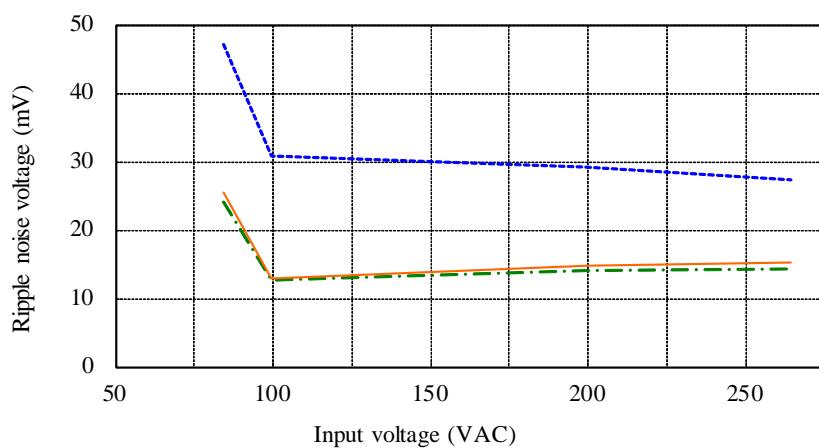
5V



12V

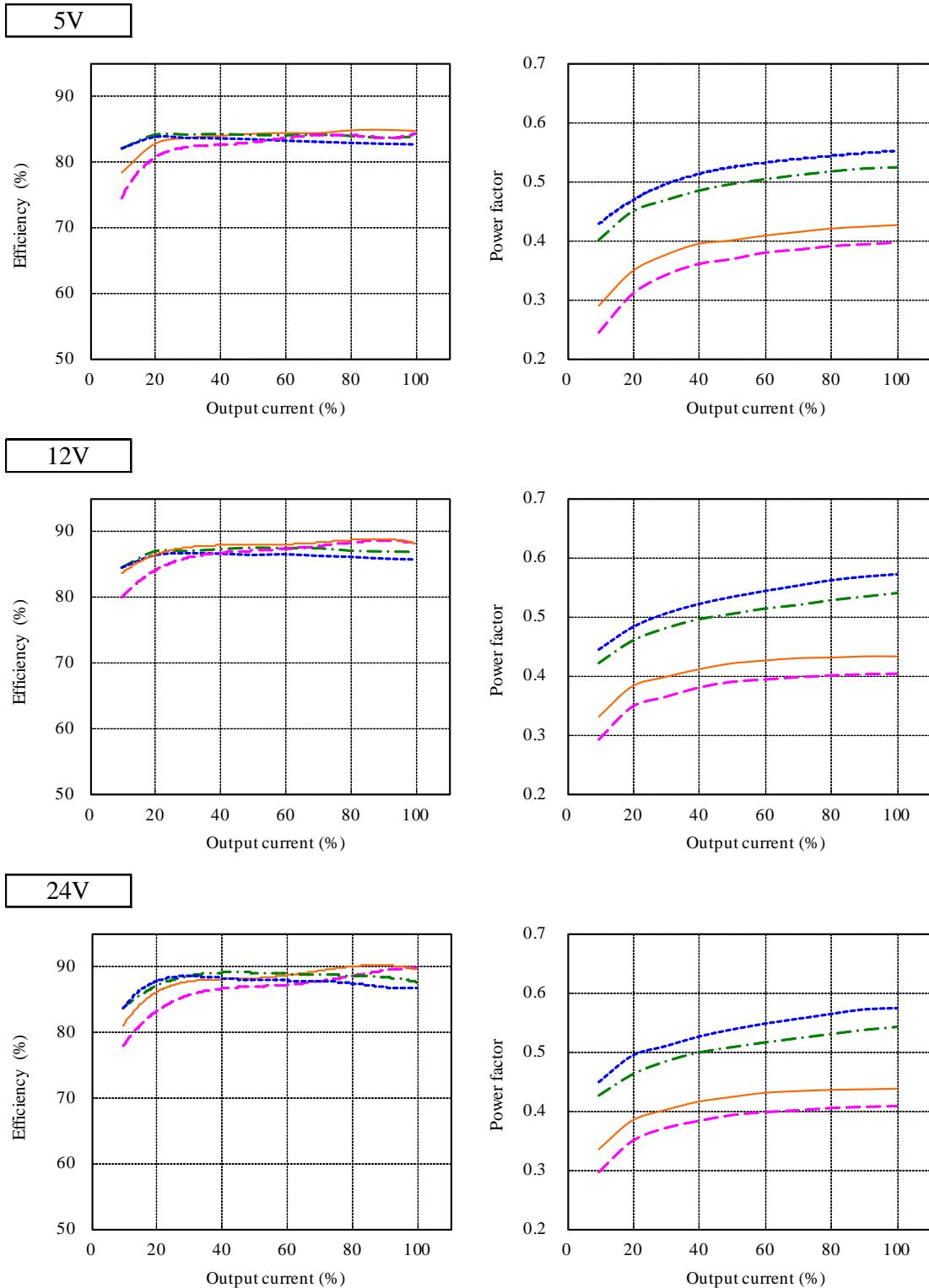


24V



(3) 効率・力率対出力電流 Efficiency and Power factor vs. Output current

Conditions Vin : 85 VAC —·—
 100 VAC -·-
 200 VAC —
 265 VAC -·-
 Ta : 25 °C

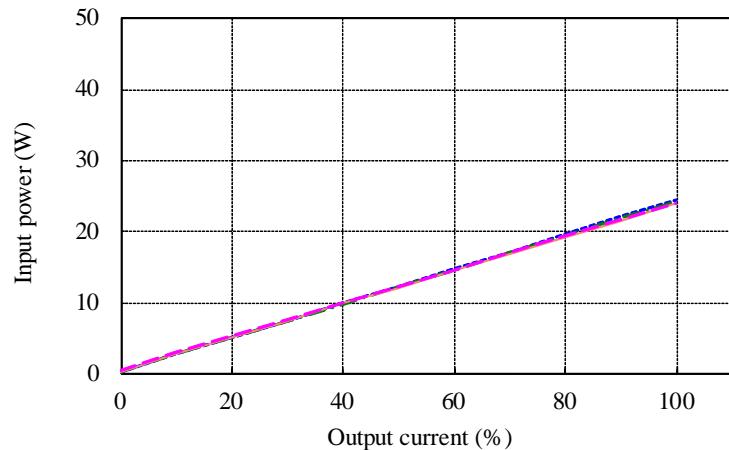


(4) 入力電力対出力電流 Input power vs. Output current

Conditions Vin : 85 VAC —·—
 100 VAC -·-
 200 VAC —
 265 VAC —·—
 Ta : 25 °C

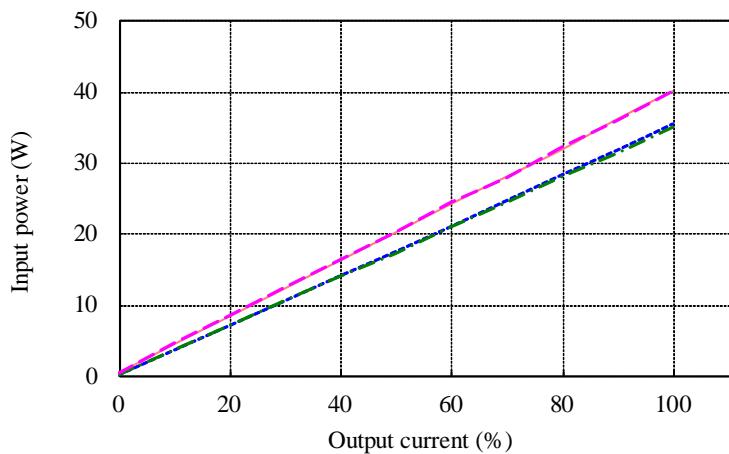
5V

Vin	Input power
	Iout : 0%
85VAC	0.1W
100VAC	0.1W
200VAC	0.1W
265VAC	0.2W



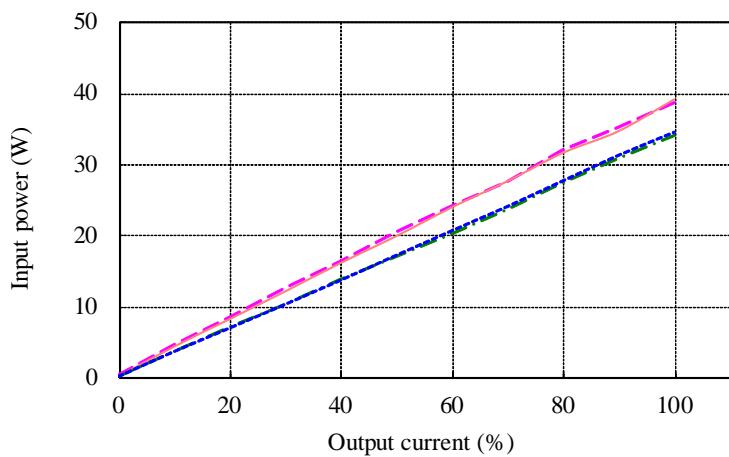
12V

Vin	Input power
	Iout : 0%
85VAC	0.1W
100VAC	0.1W
200VAC	0.2W
265VAC	0.2W



24V

Vin	Input power
	Iout : 0%
85VAC	0.1W
100VAC	0.1W
200VAC	0.2W
265VAC	0.2W

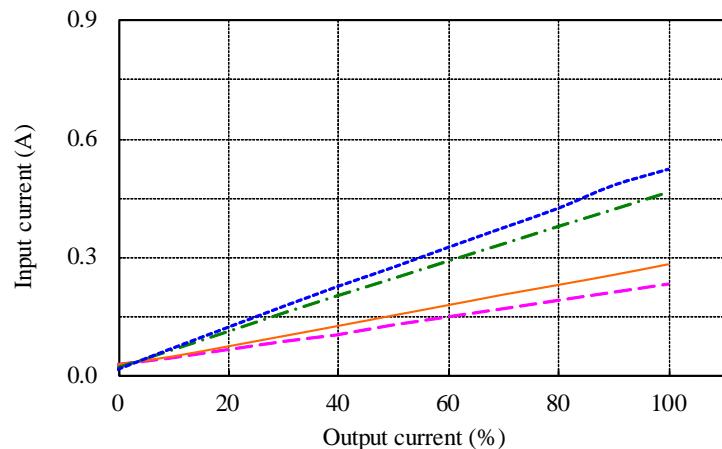


(5) 入力電流対出力電流 Input current vs. Output current

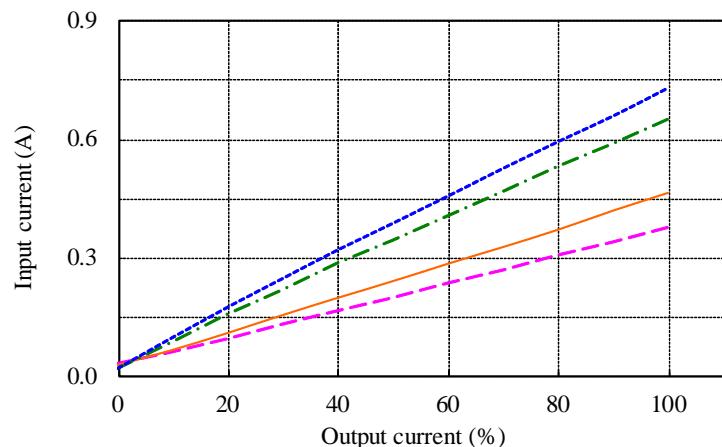
Conditions Vin : 85 VAC -----
 100 VAC ----·----
 200 VAC ———
 265 VAC -·-----
 Ta : 25 °C

5V

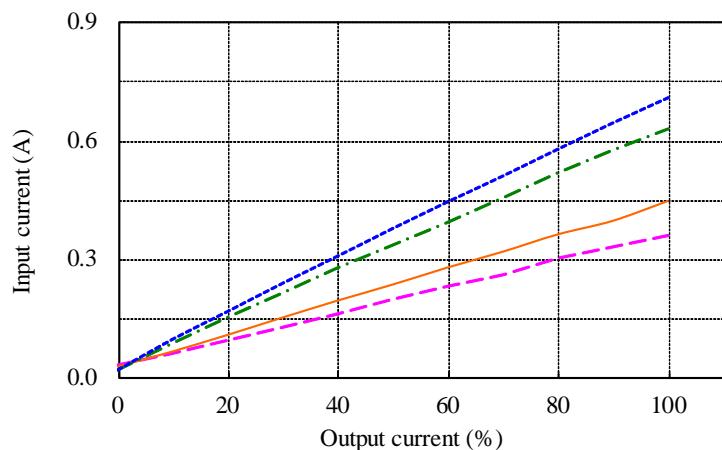
Vin	Input current	
	Iout : 0%	
85VAC	0.02A	
100VAC	0.02A	
200VAC	0.02A	
265VAC	0.03A	

**12V**

Vin	Input current	
	Iout : 0%	
85VAC	0.02A	
100VAC	0.02A	
200VAC	0.03A	
265VAC	0.03A	

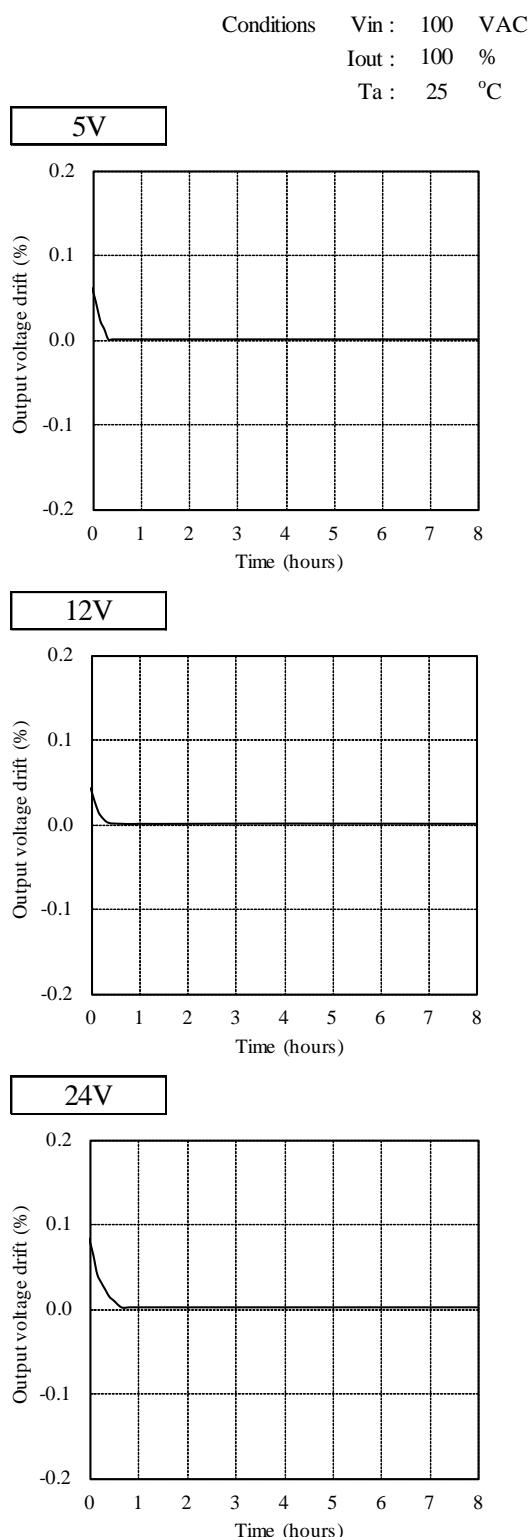
**24V**

Vin	Input current	
	Iout : 0%	
85VAC	0.02A	
100VAC	0.02A	
200VAC	0.03A	
265VAC	0.03A	



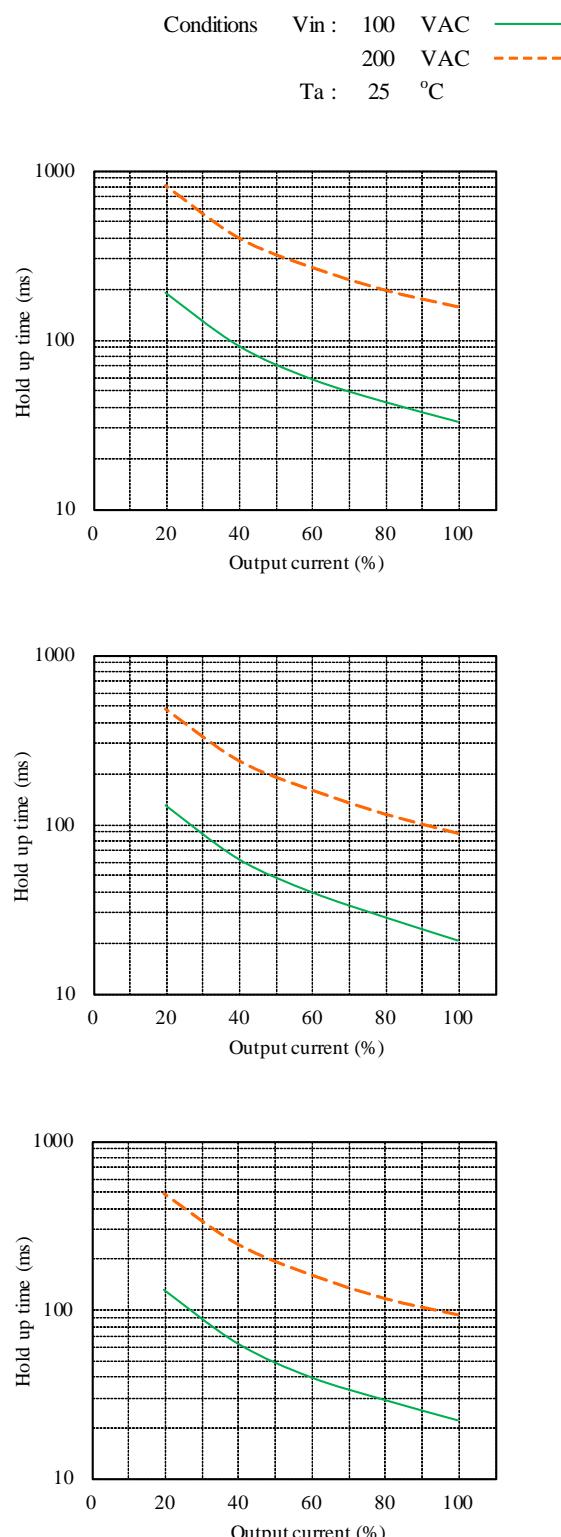
2-2. 通電ドリフト特性

Warm up voltage drift characteristics

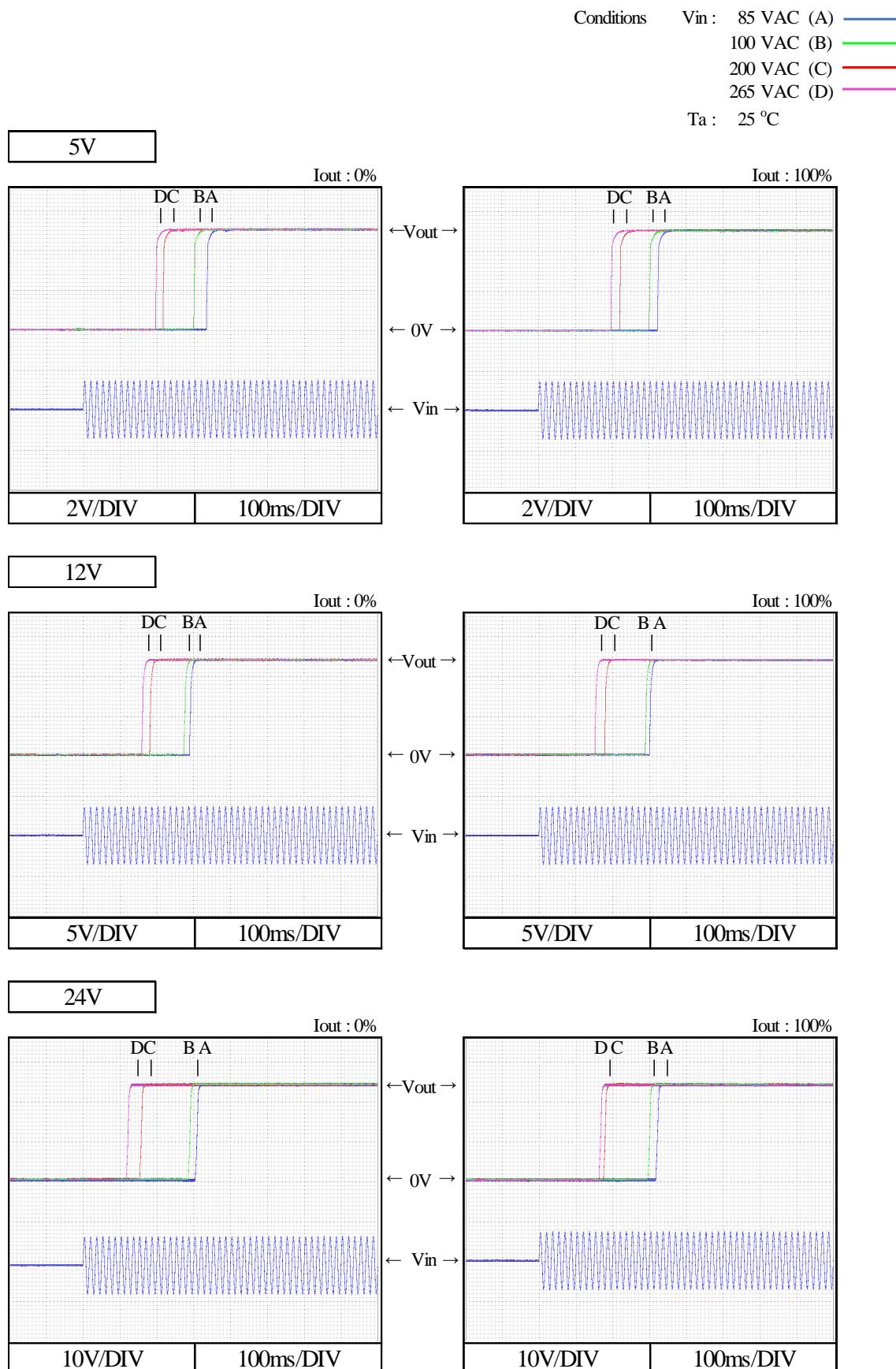


2-3. 出力保持時間特性

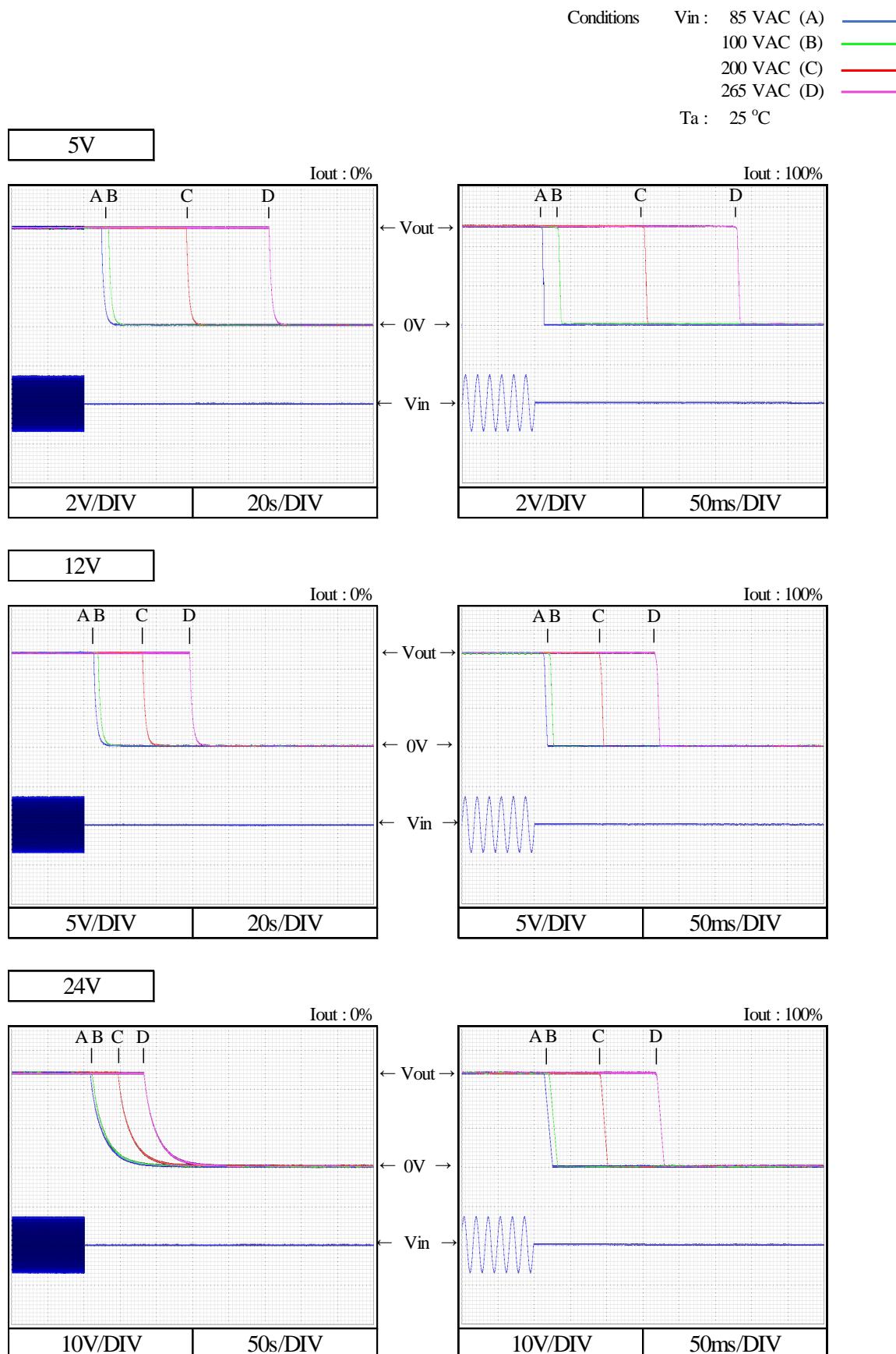
Hold up time characteristics



2-4. 出力立ち上がり特性 Output rise characteristics



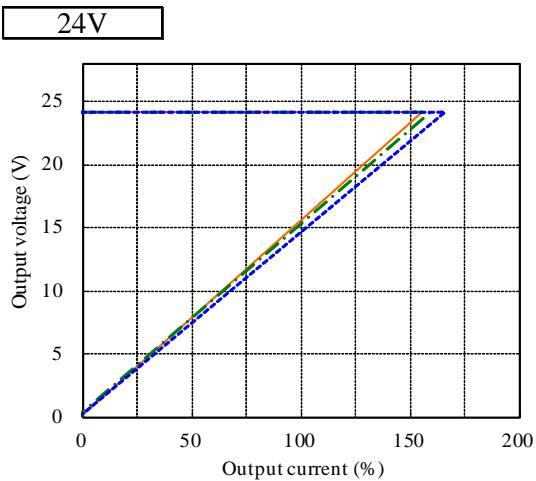
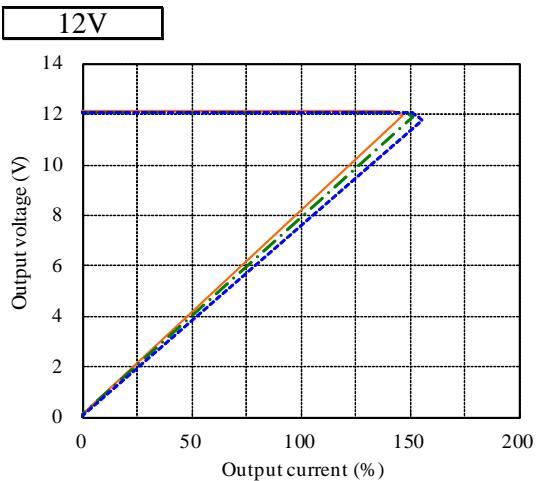
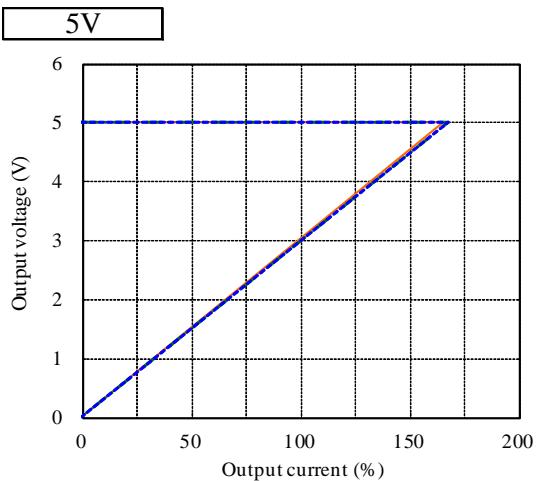
2-5. 出力立ち下がり特性 Output fall characteristics



2-6. 過電流保護特性

Over current protection (OCP) characteristics

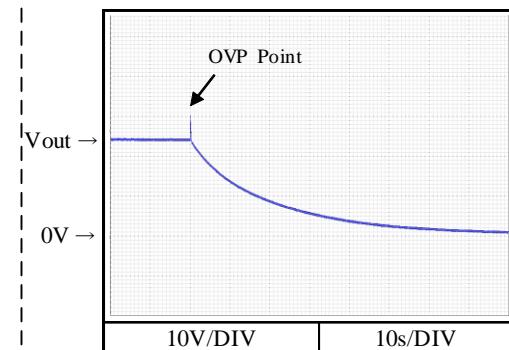
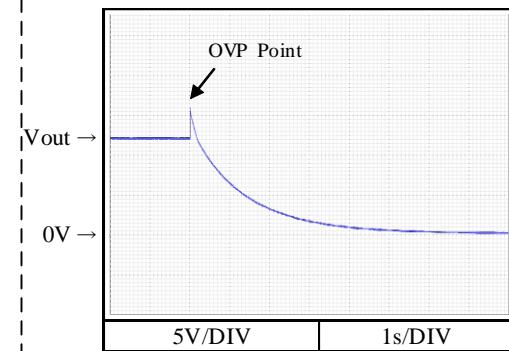
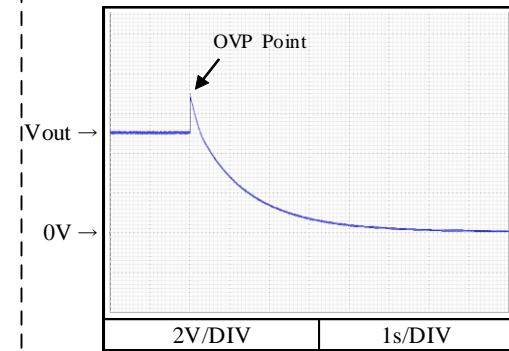
Conditions Vin : 100 VAC
 Ta : -10 °C
 25 °C
 50 °C



2-7. 過電圧保護特性

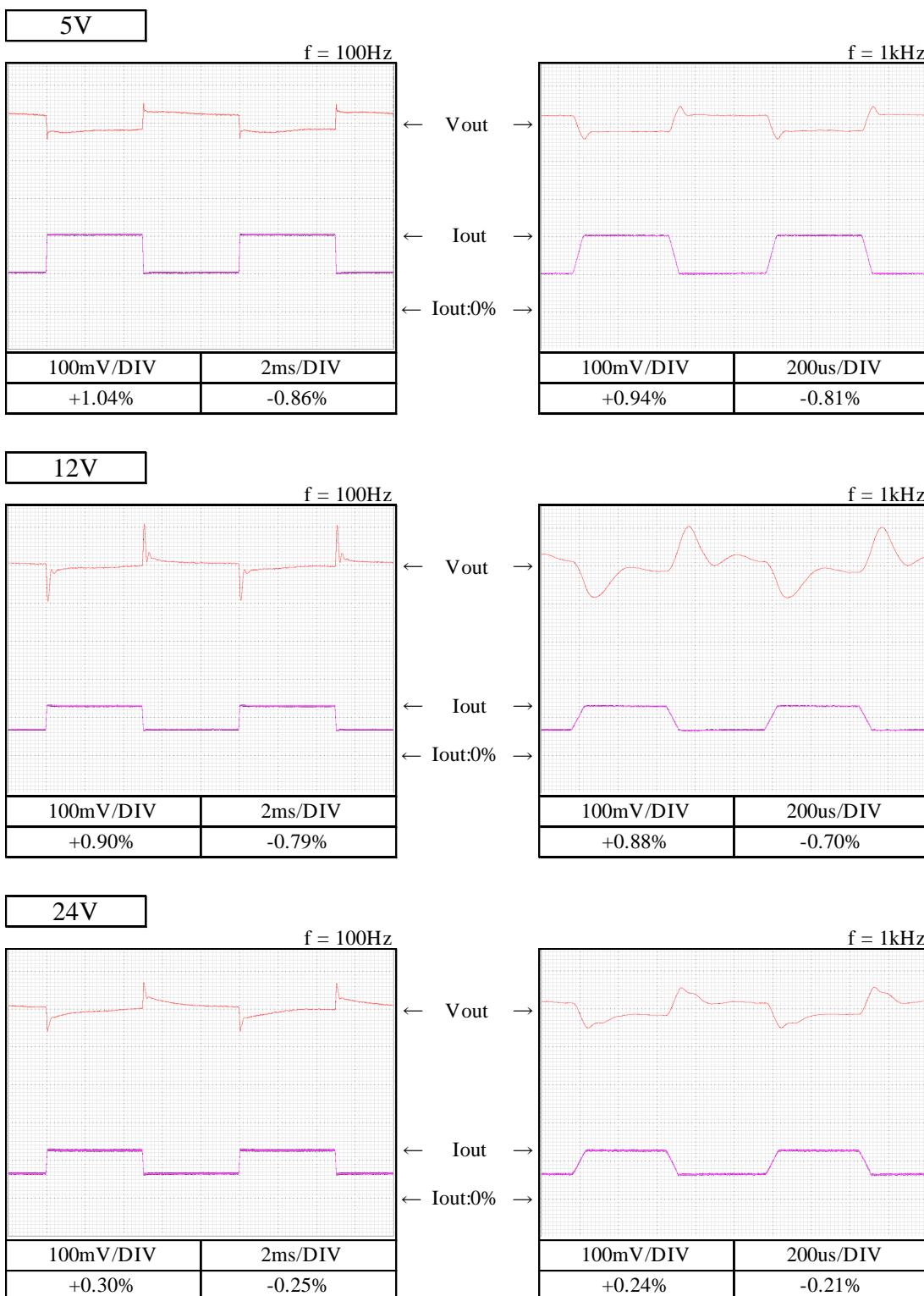
Over voltage protection (OVP) characteristics

Conditions Vin : 100 VAC
 Iout : 0 %
 Ta : 25 °C



2-8. 過渡応答(負荷急変)特性 Dynamic load response characteristics

Conditions Vin : 100 VAC
 Iout : 50 % \leftrightarrow 100 %
 (tr = tf = 50us)
 Ta : 25 °C



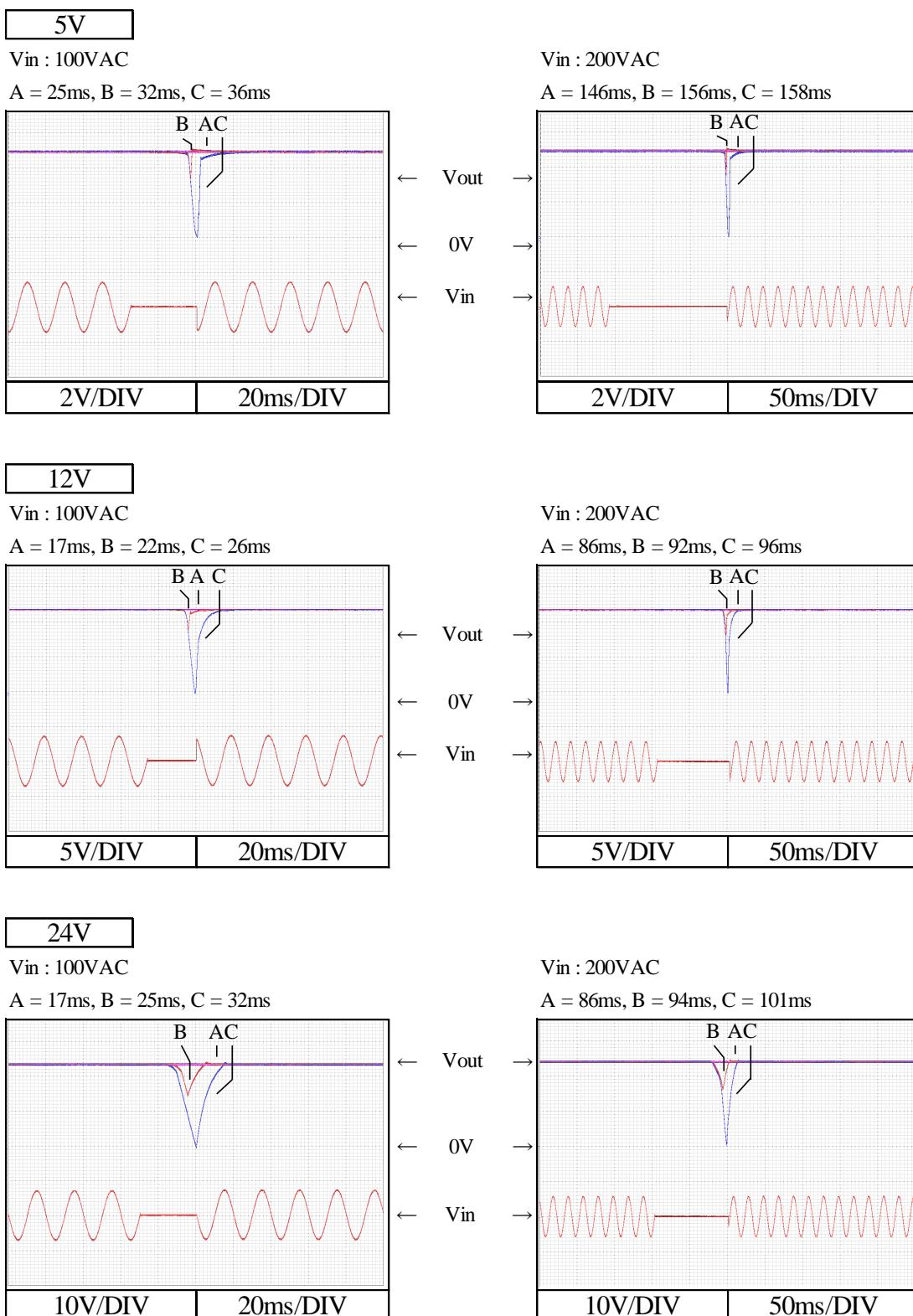
2-9. 入力電圧瞬停特性 Response to brown out characteristics

Conditions Ta : 25 °C
 Iout : 100 %

瞬停時間 Interruption time

- A : 出力電圧が低下なし
- B : 出力電圧が0Vまで低下しない
- C : 出力電圧が0Vまで低下

- Output voltage does not drop.
- Output voltage drop down not reaching 0V.
- Output voltage drops until 0V.



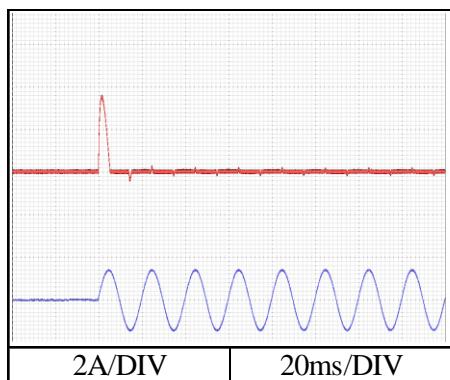
2-10. 入力サージ電流(突入電流)波形 Inrush current waveform

24V

Conditions Vin : 100 VAC
 Iout : 100 %
 Ta : 25°C

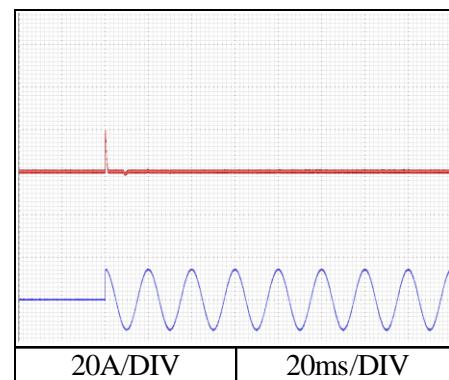
Switch on phase angle of input AC voltage

$\phi = 0^\circ$



Switch on phase angle of input AC voltage

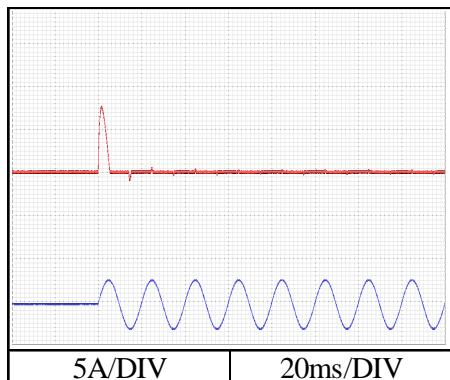
$\phi = 90^\circ$



Conditions Vin : 200 VAC
 Iout : 100 %
 Ta : 25°C

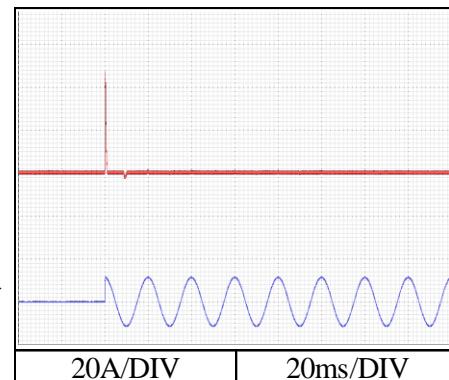
Switch on phase angle of input AC voltage

$\phi = 0^\circ$



Switch on phase angle of input AC voltage

$\phi = 90^\circ$

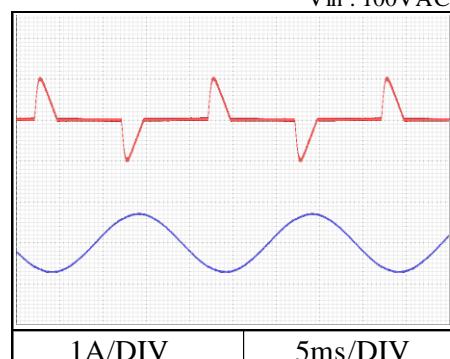


2-11. 入力電流波形 Input current waveform

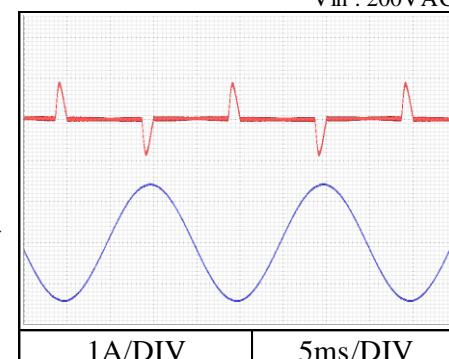
24V

Vin : 100VAC

Conditions Iout : 100 %
 Ta : 25°C



Vin : 200VAC

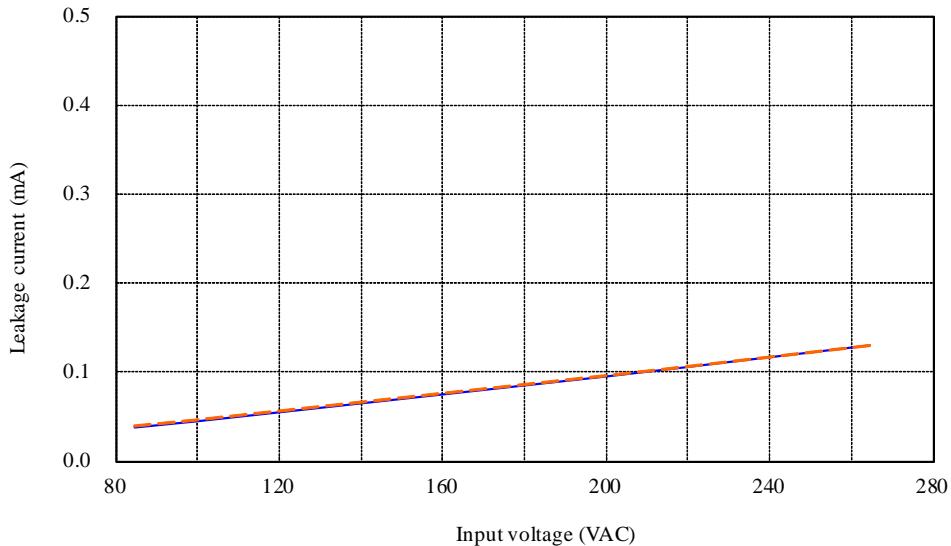


2-12. リーク電流特性 Leakage current characteristics

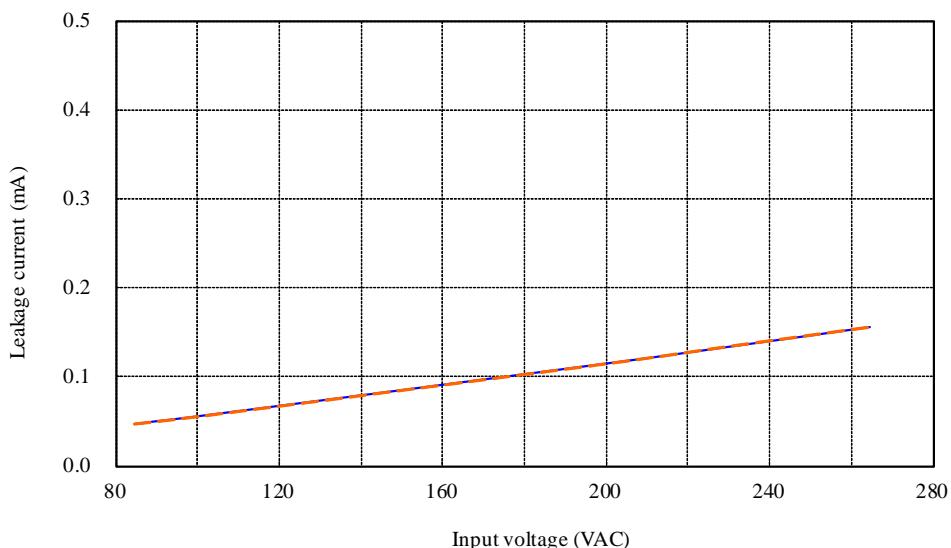
Conditions Iout : 0 % —
100 % - - -
Ta : 25°C
Equipment used : 7611(EXTECH)

24V

f : 50 Hz



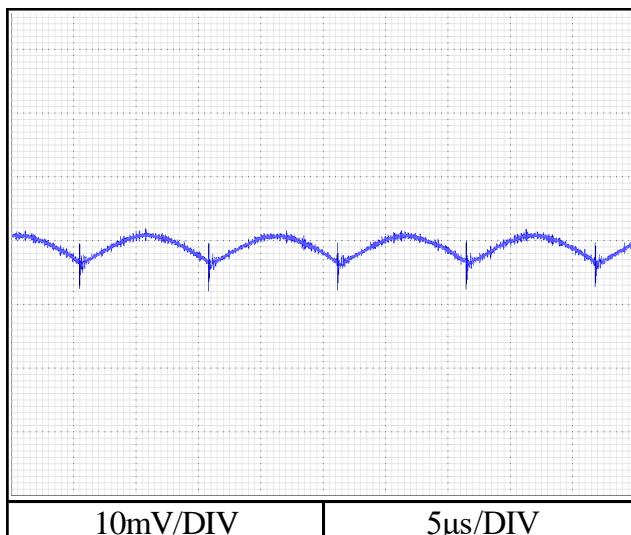
f : 60 Hz



2-13. 出力リップル、ノイズ波形 Output ripple and noise waveform

Conditions
Vin : 100 VAC
Iout : 100 %
Ta : 25°C

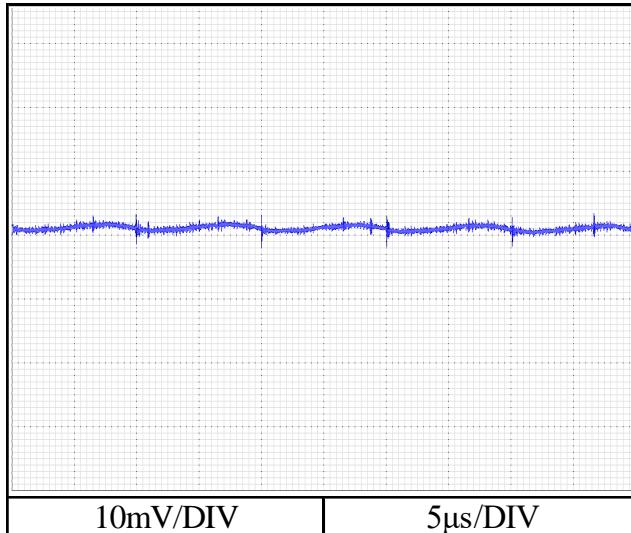
5V



10mV/DIV

5μs/DIV

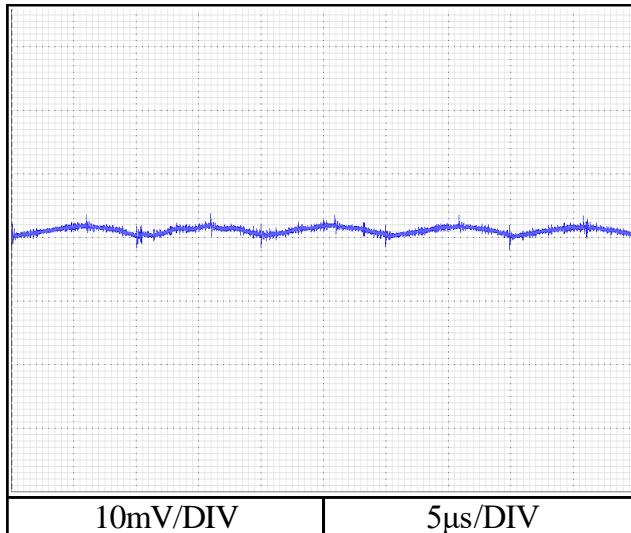
12V



10mV/DIV

5μs/DIV

24V



10mV/DIV

5μs/DIV

2-14. EMI特性 Electro-Magnetic Interference characteristics

Conditions Vin : 100 VAC
 Iout : 100 %
 Ta : 25°C
 Isolation Class : Class I (L,N,FG)

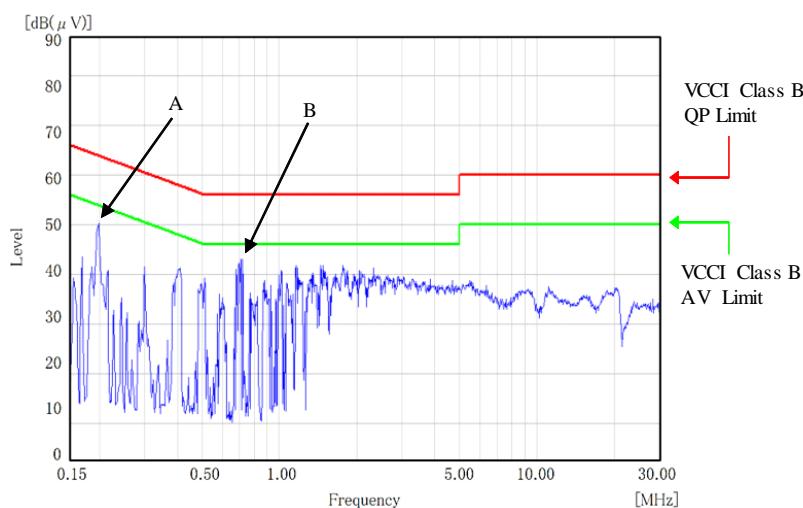
雜音端子電圧

Conducted Emission

5V

Phase : N

Point A (198KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	63.7	53.3
AV	53.7	40.8

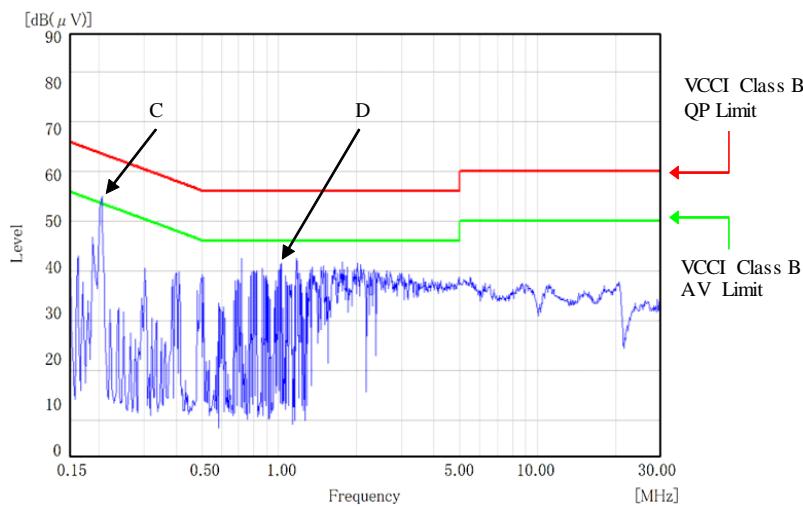


Point B (718KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	41.8
AV	46.0	26.0

Point C (206KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	63.4	52.0
AV	53.4	35.4

Point D (1.02MHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	39.8
AV	46.0	24.4

Phase : L



EN55011-B,EN55032-B,FCC-Bの限界値はVCCI class Bの限界値と同じ

Limit of EN55011-B,EN55032-B,FCC-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

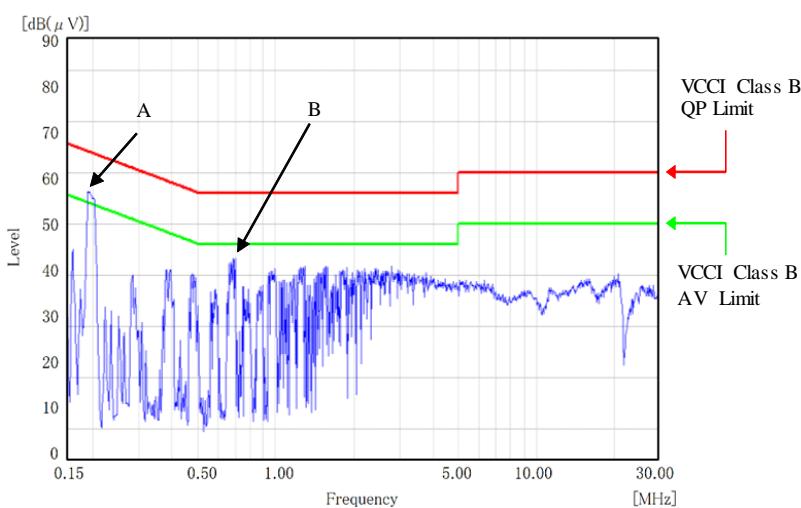
雜音端子電圧
Conducted Emission

Conditions Vin : 100 VAC
 Iout : 100 %
 Ta : 25°C
Isolation Class : Class I (L,N,FG)

12V

Phase : N

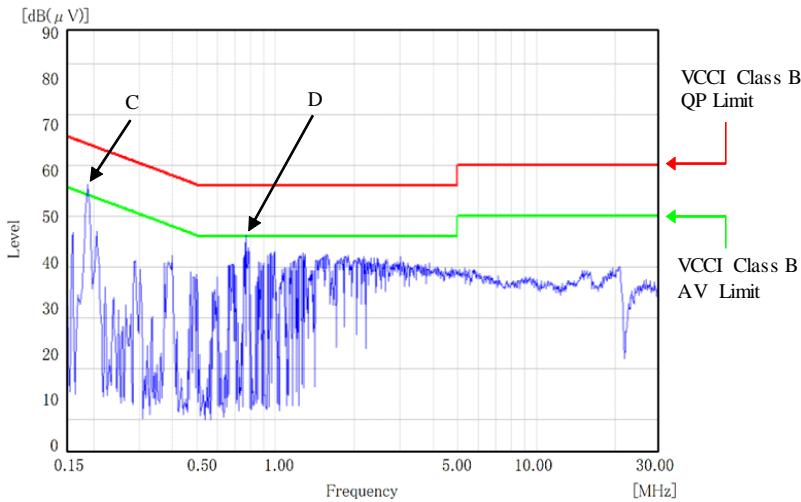
Point A (190KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	64.0	53.9
AV	54.0	40.2



Point B (702KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	41.8
AV	46.0	24.8

Phase : L

Point C (190KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	64.0	54.4
AV	54.0	40.5



EN55011-B,EN55032-B,FCC-Bの限界値はVCCI class Bの限界値と同じ

Limit of EN55011-B,EN55032-B,FCC-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

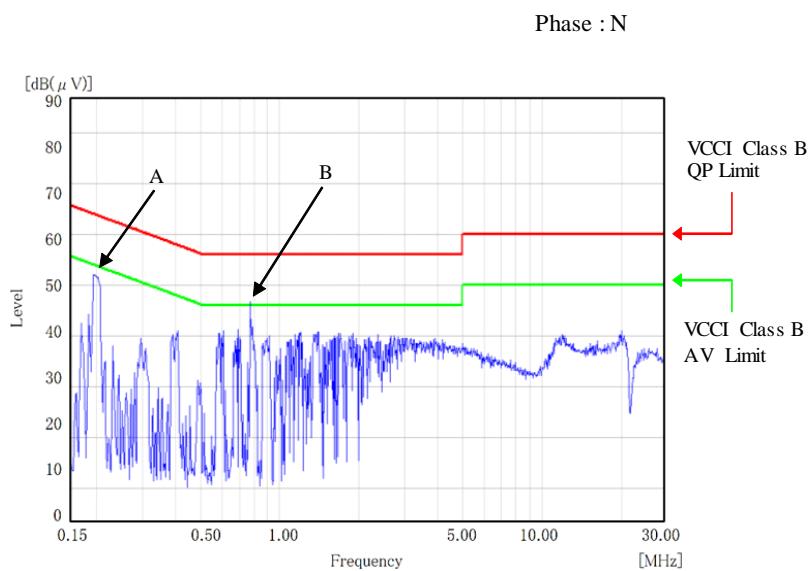
Conditions Vin : 100 VAC
 Iout : 100 %
 Ta : 25°C
 Isolation Class : Class I (L,N,FG)

雜音端子電圧
 Conducted Emission

24V

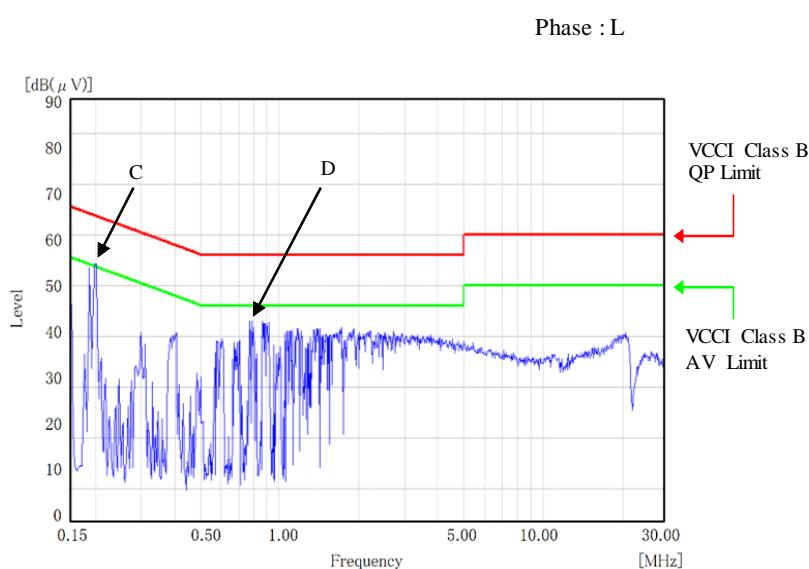
Point A (194KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	63.9	51.9
AV	53.9	39.1

Point B (770KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	43.9
AV	46.0	26.9



Point C (202KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	63.5	51.6
AV	53.5	37.7

Point D (774KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	40.9
AV	46.0	24.7



EN55011-B,EN55032-B,FCC-Bの限界値はVCCI class Bの限界値と同じ

Limit of EN55011-B,EN55032-B,FCC-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

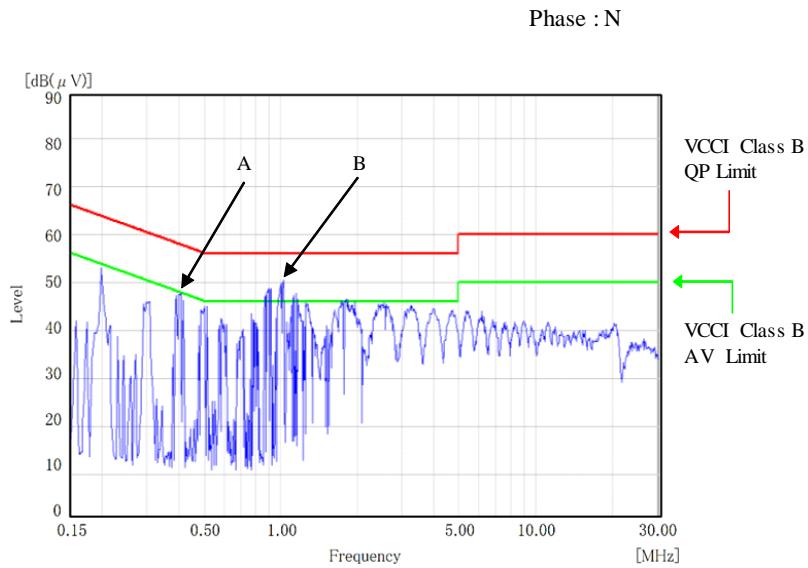
雜音端子電圧
Conducted Emission

5V

Conditions Vin : 230 VAC
 Iout : 100 %
 Ta : 25°C
Isolation Class : Class I (L,N,FG)

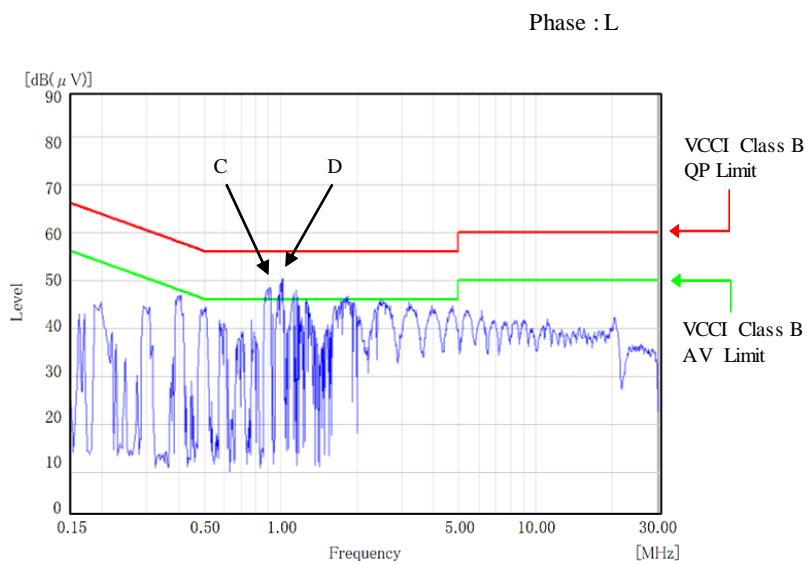
Point A (406KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	57.7	46.7
AV	47.7	47.7

Point B (1MHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	47.9
AV	46.0	27.5



Point C (910KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	47.3
AV	46.0	32.8

Point D (1MHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	49.0
AV	46.0	33.4



EN55011-B,EN55032-B,FCC-Bの限界値はVCCI class Bの限界値と同じ

Limit of EN55011-B,EN55032-B,FCC-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

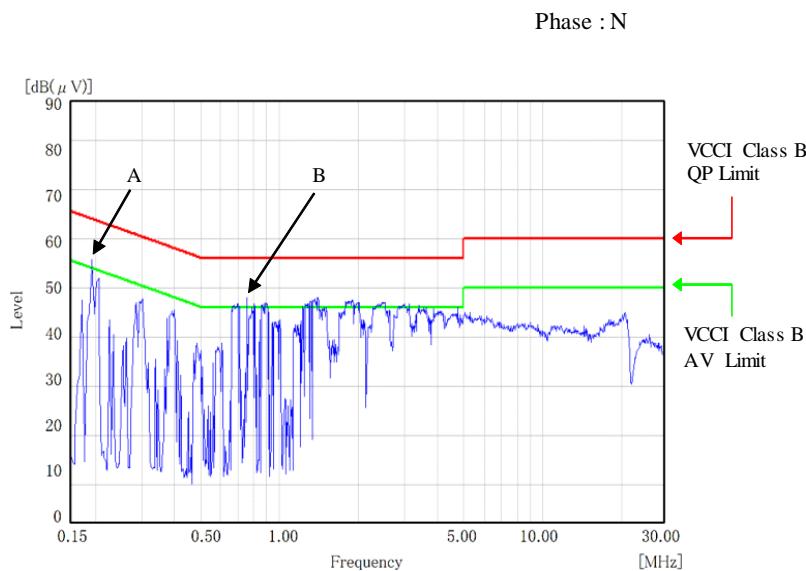
雜音端子電圧
Conducted Emission

12V

Conditions Vin : 230 VAC
 Iout : 100 %
 Ta : 25°C
Isolation Class : Class I (L,N,FG)

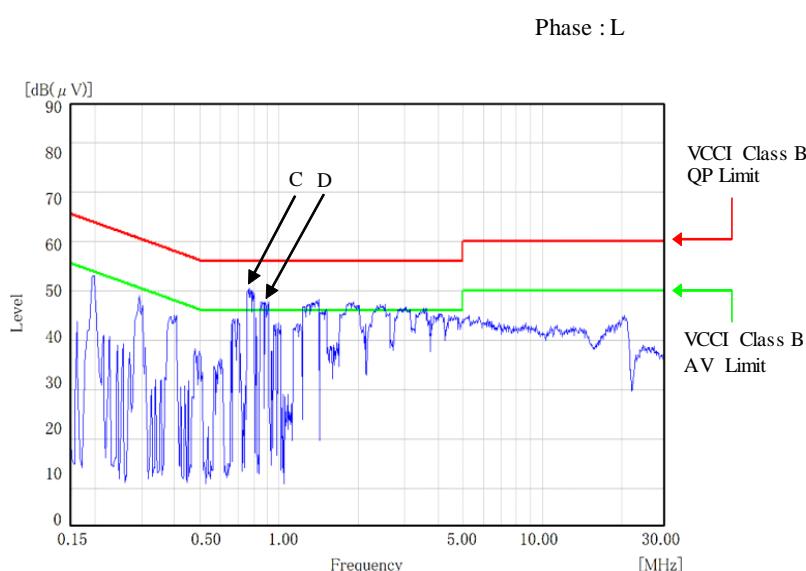
Point A (194KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	63.9	52.9
AV	53.9	42.2

Point B (758KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	47.6
AV	46.0	31.5



Point C (774KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	49.1
AV	46.0	34.2

Point D (910KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	46.5
AV	46.0	28.5



EN55011-B,EN55032-B,FCC-Bの限界値はVCCI class Bの限界値と同じ

Limit of EN55011-B,EN55032-B,FCC-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

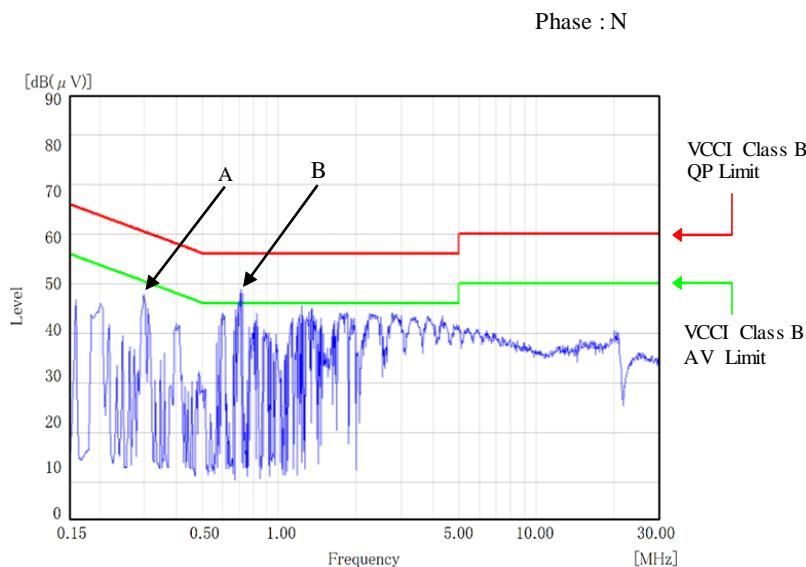
Conditions Vin : 230 VAC
 Iout : 100 %
 Ta : 25°C
 Isolation Class : Class I (L,N,FG)

雜音端子電圧
 Conducted Emission

24V

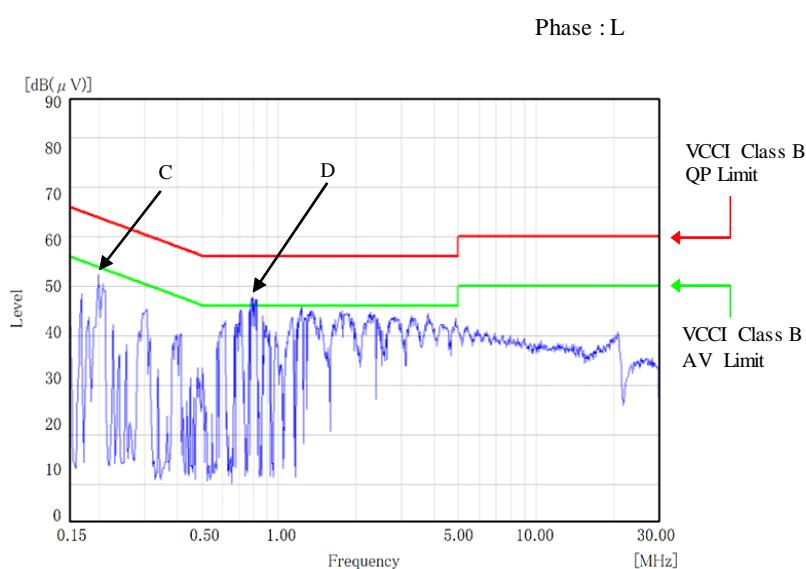
Point A (298KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	60.3	45.1
AV	50.3	37.6

Point B (714KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	46.8
AV	46.0	33.2



Point C (198KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	63.7	50.5
AV	53.7	40.5

Point D (786KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	46.2
AV	46.0	31.1



EN55011-B,EN55032-B,FCC-Bの限界値はVCCI class Bの限界値と同じ

Limit of EN55011-B,EN55032-B,FCC-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

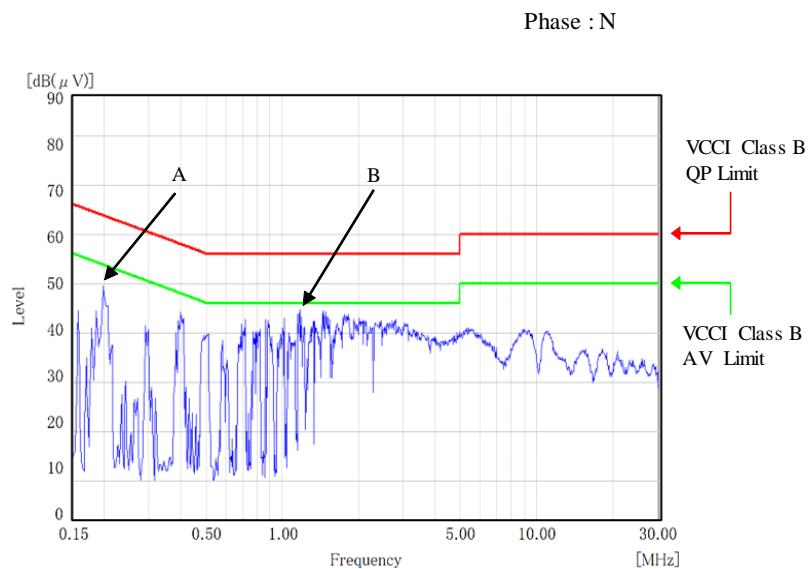
Conditions Vin : 100 VAC
 Iout : 100 %
 Ta : 25°C
 Isolation Class : Class II (L,N)

雜音端子電圧
 Conducted Emission

5V

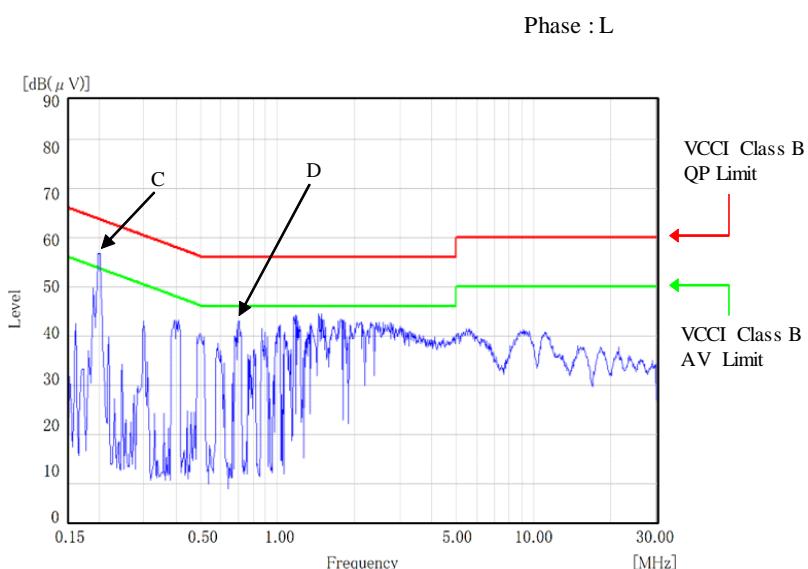
Point A (198KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	63.7	52.8
AV	53.7	41.6

Point B (1.4MHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	41.7
AV	46.0	23.6



Point C (202KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	63.5	54.0
AV	53.5	41.4

Point D (710KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	41.9
AV	46.0	29.3



EN55011-B,EN55032-B,FCC-Bの限界値はVCCI class Bの限界値と同じ

Limit of EN55011-B,EN55032-B,FCC-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

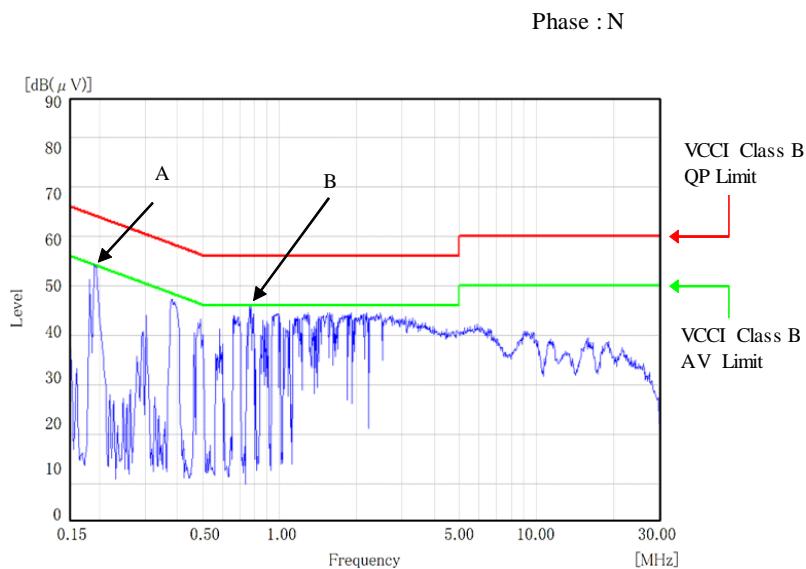
雜音端子電圧
Conducted Emission

12V

Conditions Vin : 100 VAC
 Iout : 100 %
 Ta : 25°C
Isolation Class : Class II (L,N)

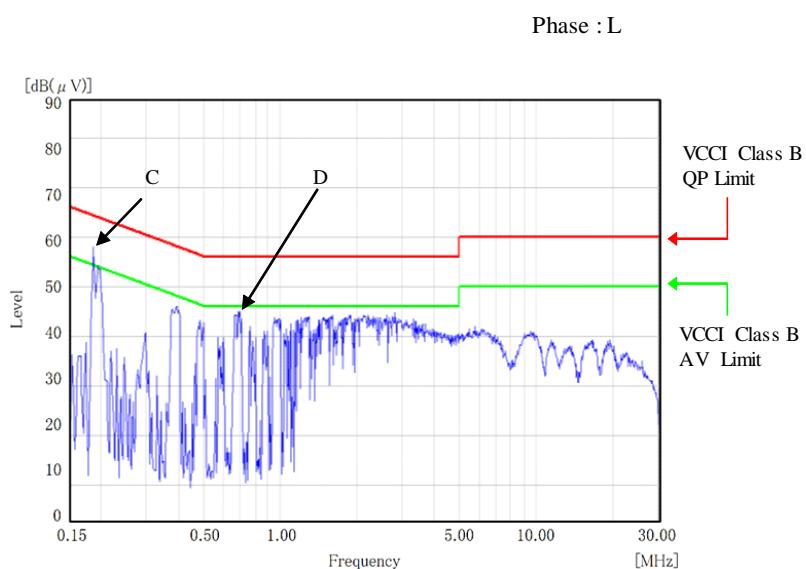
Point A (190KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	64.0	55.1
AV	54.0	42.3

Point B (778KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	44.2
AV	46.0	28.9



Point C (194KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	63.9	56.8
AV	53.9	45.0

Point D (698KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	43.9
AV	46.0	30.9



EN55011-B,EN55032-B,FCC-Bの限界値はVCCI class Bの限界値と同じ

Limit of EN55011-B,EN55032-B,FCC-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

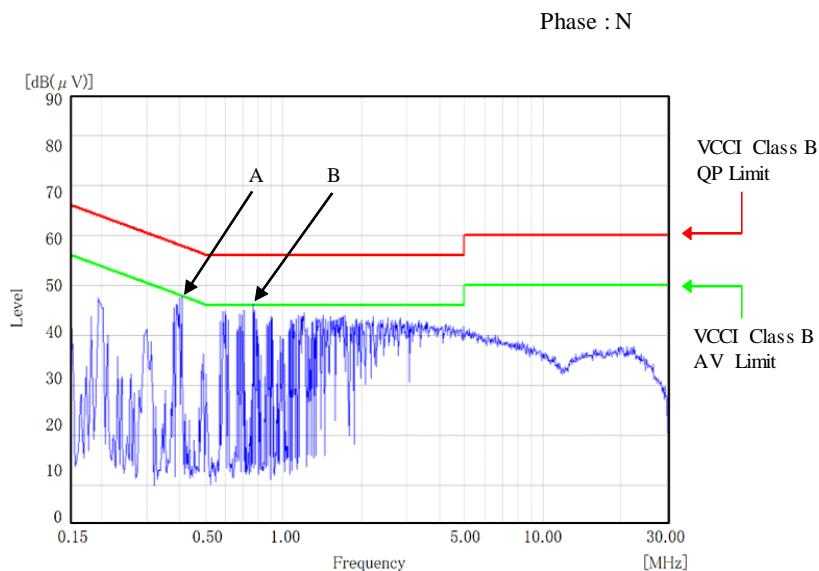
雜音端子電圧
Conducted Emission

24V

Conditions Vin : 100 VAC
Iout : 100 %
Ta : 25°C
Isolation Class : Class II (L,N)

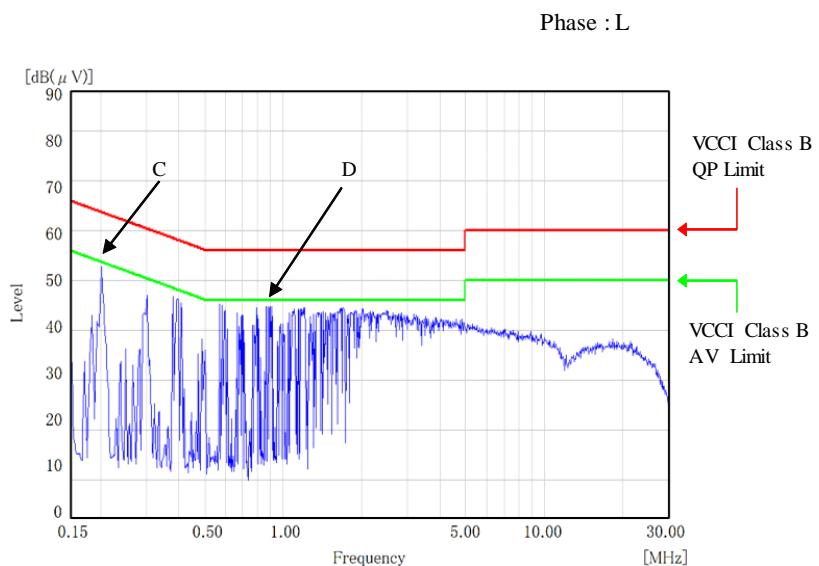
Point A (406KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	57.7	46.0
AV	47.7	34.2

Point B (766KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	43.1
AV	46.0	26.1



Point C (202KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	63.5	52.0
AV	53.5	38.9

Point D (874KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	43.3
AV	46.0	28.6



EN55011-B,EN55032-B,FCC-Bの限界値はVCCI class Bの限界値と同じ

Limit of EN55011-B,EN55032-B,FCC-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

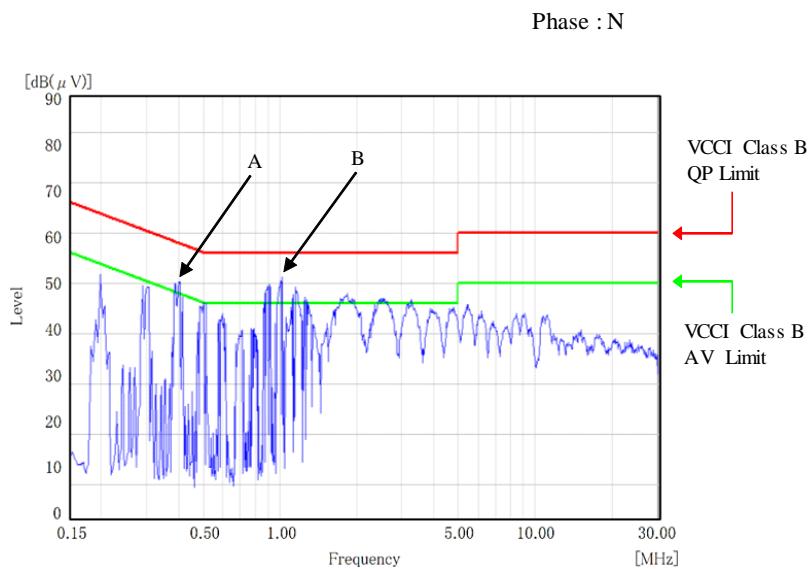
雜音端子電圧
Conducted Emission

5V

Conditions Vin : 230 VAC
 Iout : 100 %
 Ta : 25°C
Isolation Class : Class II (L,N)

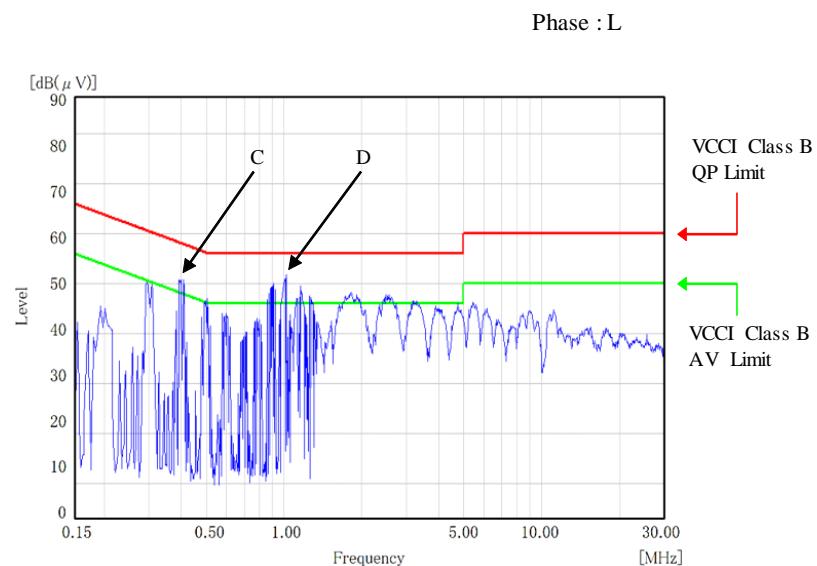
Point A (406KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	57.7	49.1
AV	47.7	39.9

Point B (1.1MHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	49.5
AV	46.0	32.6



Point C (406KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	57.7	49.6
AV	47.7	40.7

Point D (1.1MHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	50.2
AV	46.0	31.0



EN55011-B,EN55032-B,FCC-Bの限界値はVCCI class Bの限界値と同じ

Limit of EN55011-B,EN55032-B,FCC-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

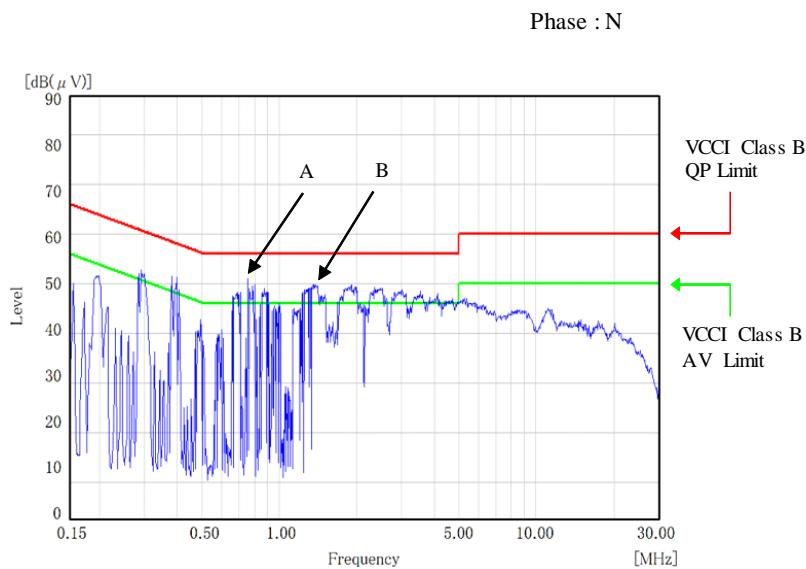
雜音端子電圧
Conducted Emission

12V

Conditions Vin : 230 VAC
 Iout : 100 %
 Ta : 25°C
Isolation Class : Class II (L,N)

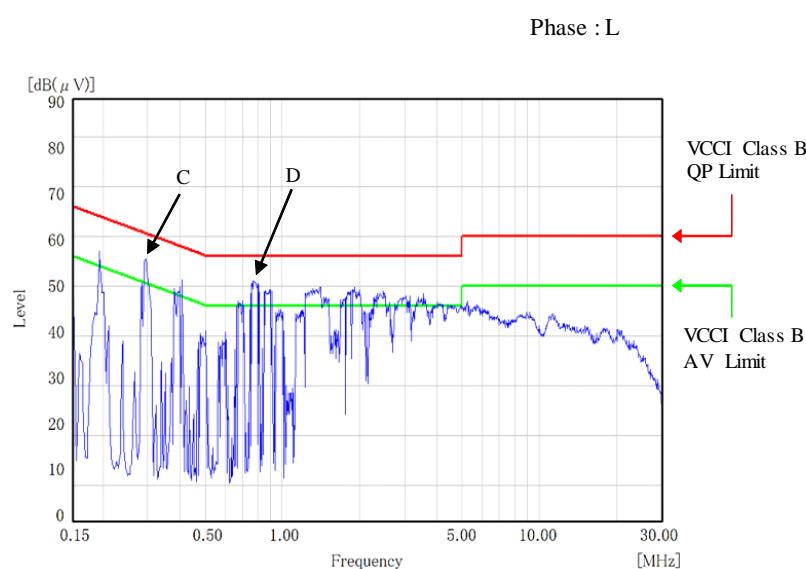
Point A (754KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	49.2
AV	46.0	32.0

Point B (1.3MHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	48.0
AV	46.0	30.7



Point C (294KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	60.4	50.9
AV	50.4	43.4

Point D (774KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	49.6
AV	46.0	35.3



EN55011-B,EN55032-B,FCC-Bの限界値はVCCI class Bの限界値と同じ

Limit of EN55011-B,EN55032-B,FCC-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

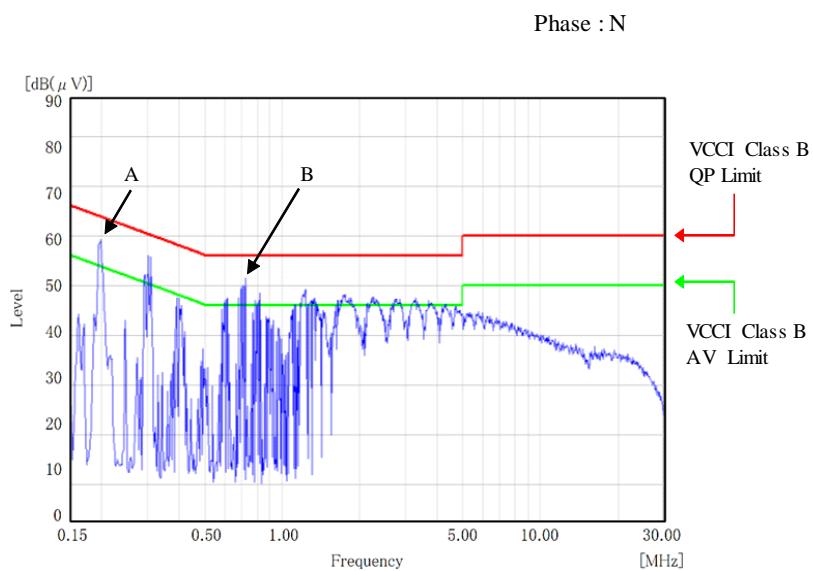
Conditions Vin : 230 VAC
 Iout : 100 %
 Ta : 25°C
 Isolation Class : Class II (L,N)

雜音端子電圧
 Conducted Emission

24V

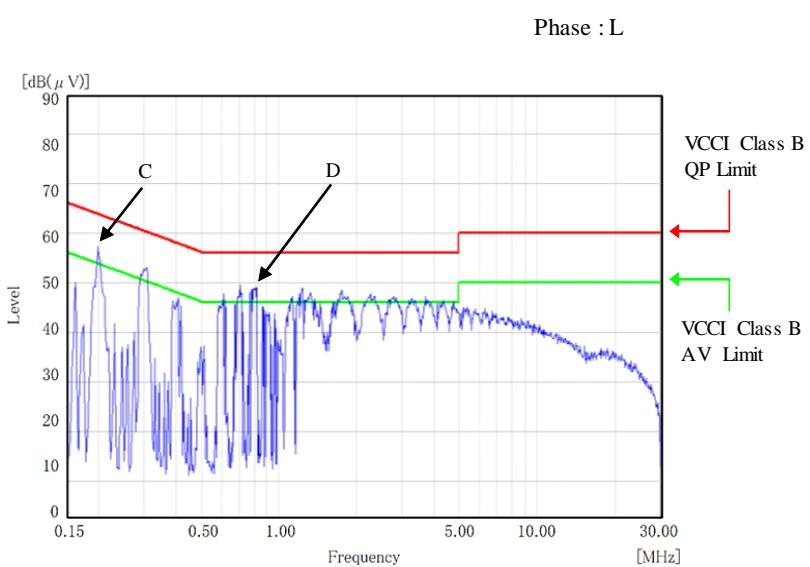
Point A (198KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	63.7	56.1
AV	56.7	47.2

Point B (772KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	49.6
AV	46.0	31.8



Point C (198KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	63.7	56.2
AV	53.7	46.9

Point D (826KHz)		
Ref. Data	Limit (dB)	Measure (dB)
QP	56.0	47.7
AV	46.0	29.0



EN55011-B,EN55032-B,FCC-Bの限界値はVCCI class Bの限界値と同じ

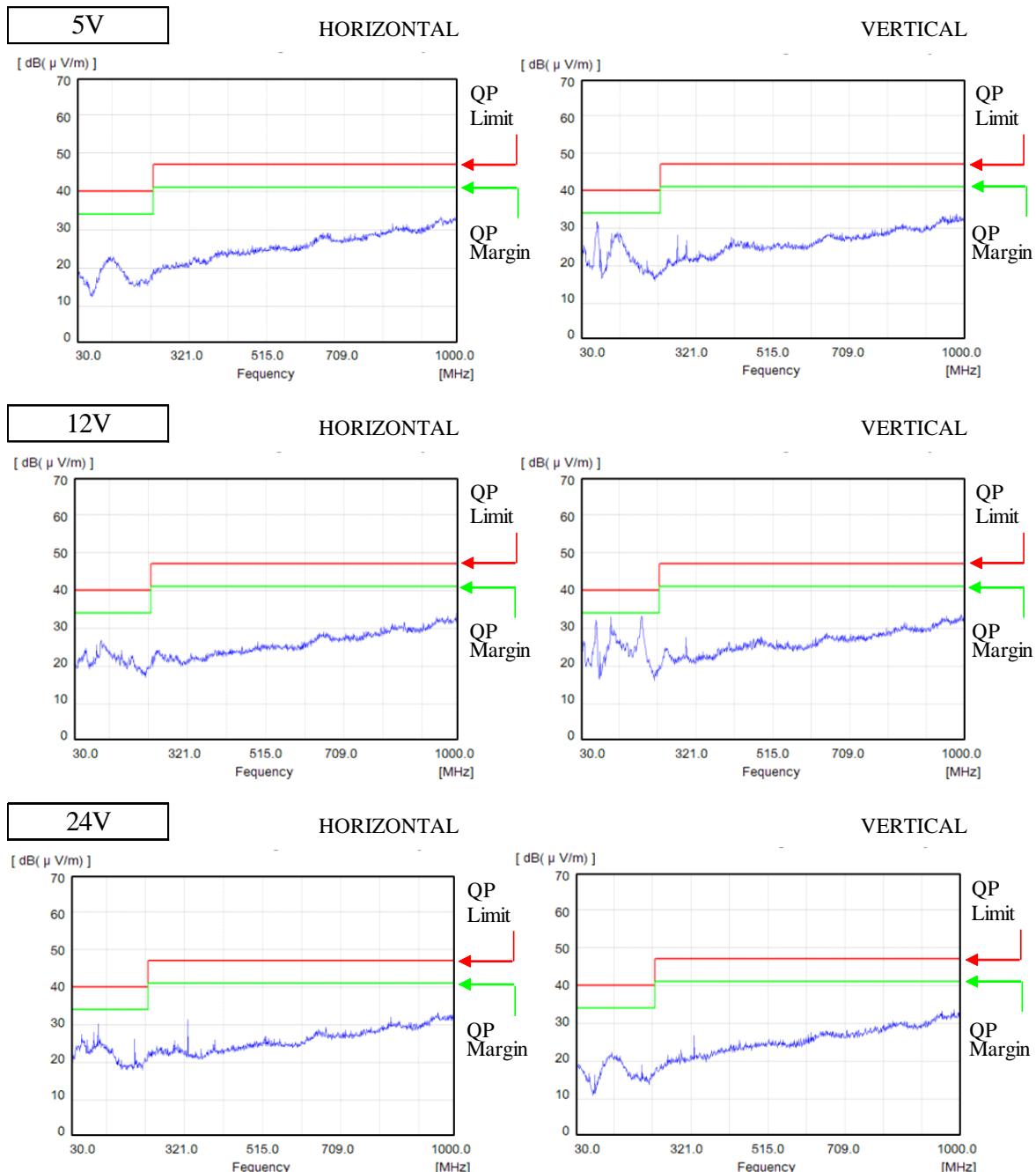
Limit of EN55011-B,EN55032-B,FCC-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

雜音電界強度
Radiated Emission

Conditions Vin : 100 VAC
 Iout : 100 %
 Ta : 25°C
Isolation Class : Class I
(L,N,FG)



EN55011-B,EN55032-Bの限界値はVCCI class Bの限界値と同じ

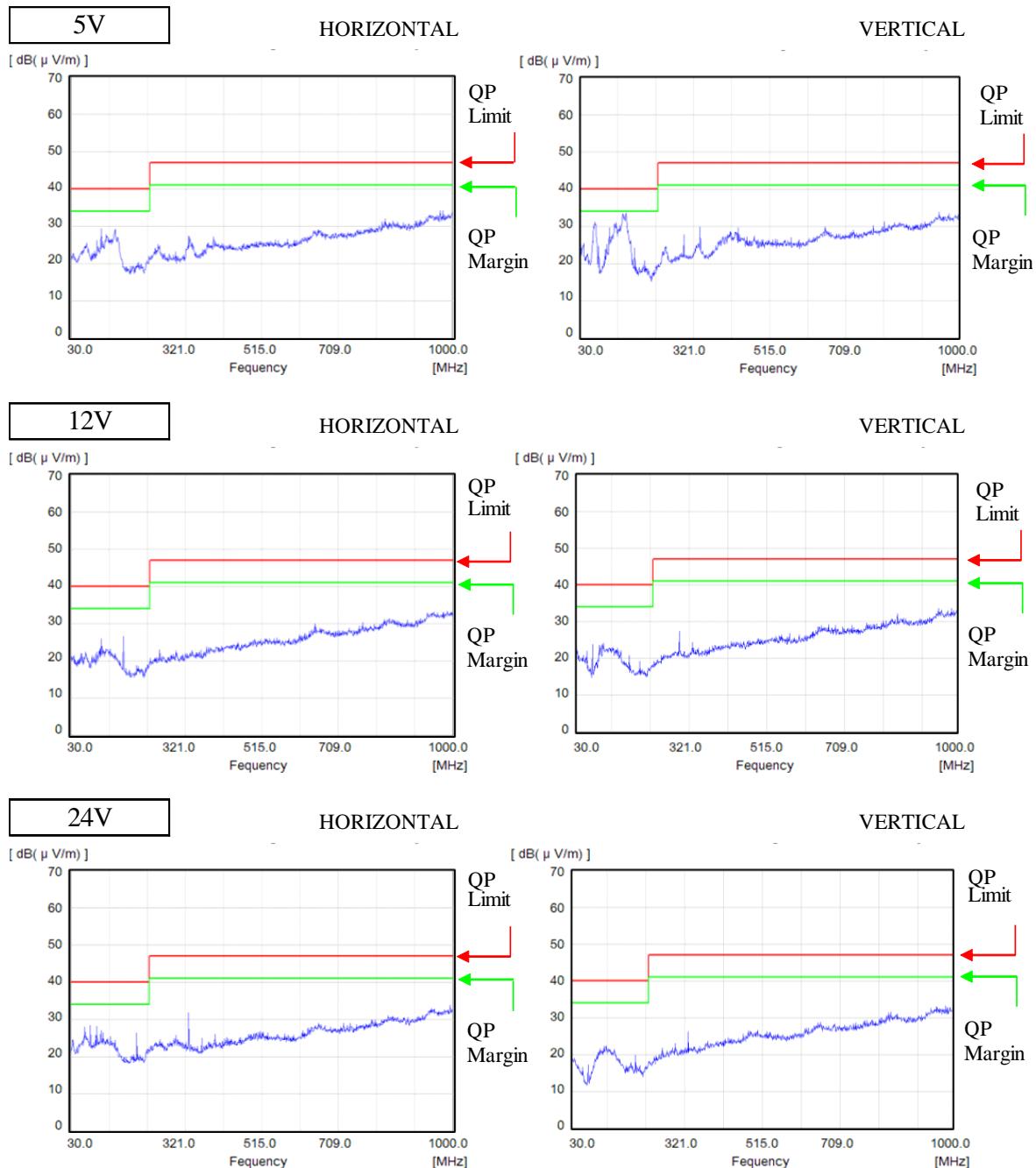
Limit of EN55011-B,EN55032-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

Conditions Vin : 230 VAC
 Iout : 100 %
 Ta : 25°C
 Isolation Class : Class I
 (L,N,FG)

雜音電界強度
 Radiated Emission



EN55011-B, EN55032-Bの限界値はVCCI class Bの限界値と同じ

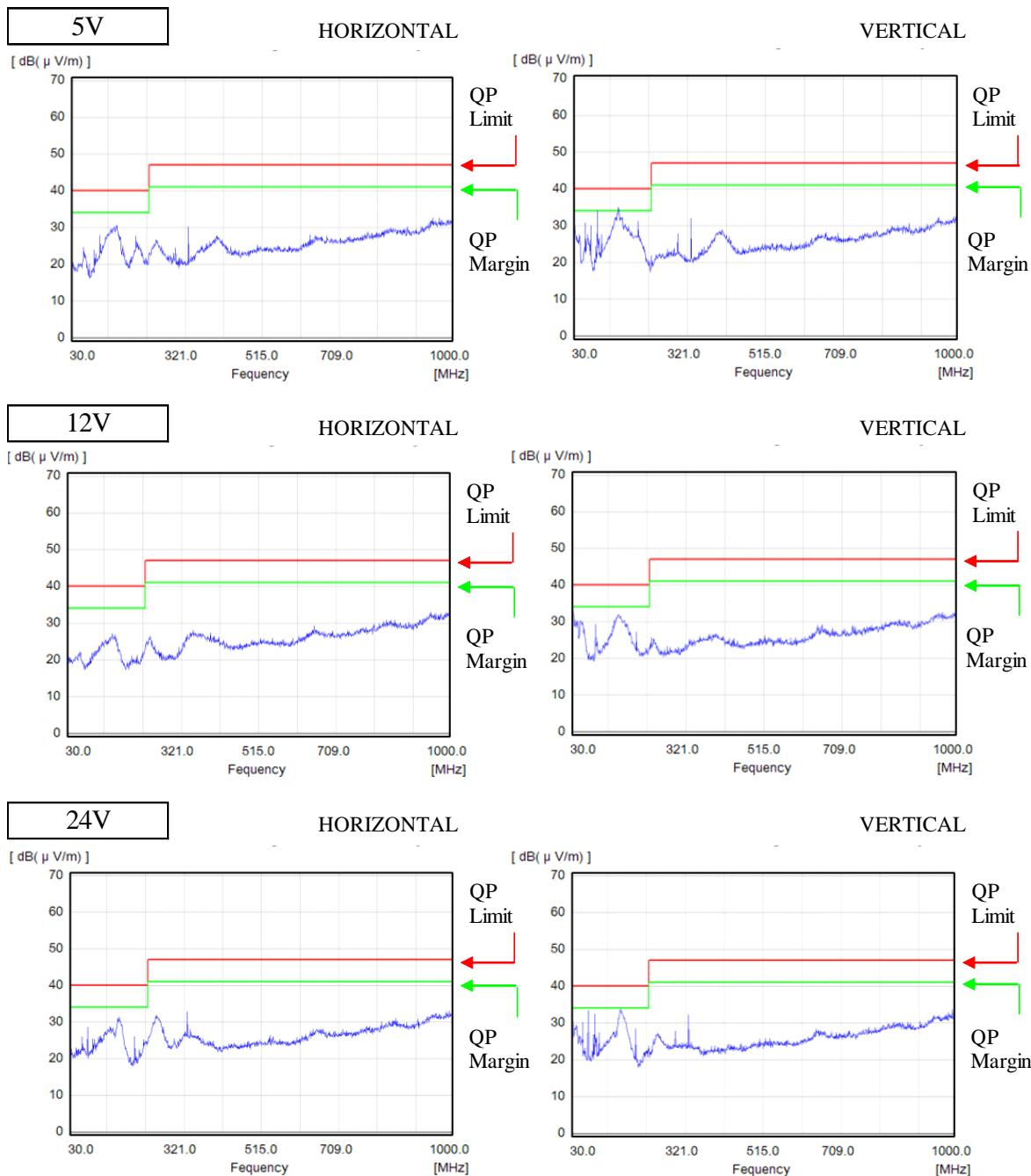
Limit of EN55011-B, EN55032-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

雜音電界強度
Radiated Emission

Conditions Vin : 100 VAC
 Iout : 100 %
 Ta : 25°C
Isolation Class : Class II
(L,N)



EN55011-B,EN55032-Bの限界値はVCCI class Bの限界値と同じ

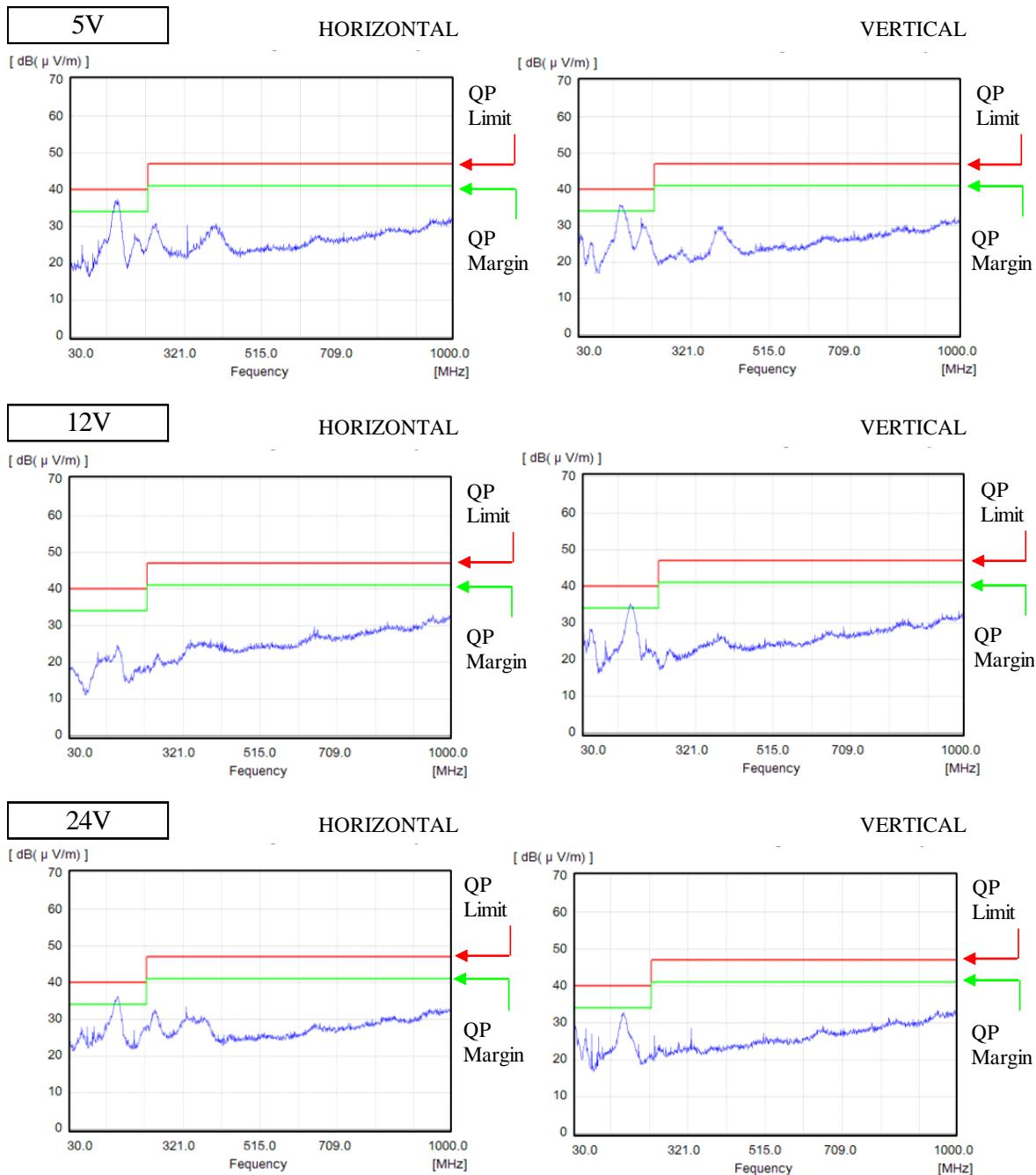
Limit of EN55011-B,EN55032-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.

雜音電界強度
Radiated Emission

Conditions Vin : 230 VAC
 Iout : 100 %
 Ta : 25°C
Isolation Class : Class II
(L,N)



EN55011-B,EN55032-Bの限界値はVCCI class Bの限界値と同じ

Limit of EN55011-B,EN55032-B are same as its VCCI class B.

表示はピーク値

Indication is peak values.