

GEN750 SERIES EMI TEST DATA

DWG: IA584-58-02		
APPD	CHK	DWG
Doron P. Nov-2-2004	Alex Ch. Sep-27-2004	MICHAEL G. 29.01.2004.

INDEX

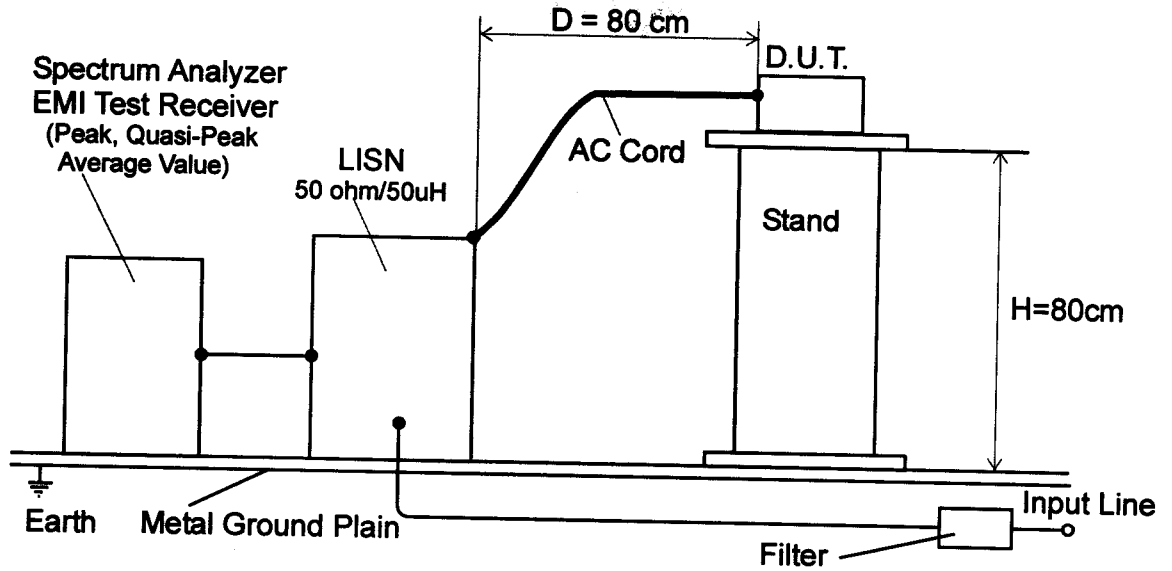
1. Test method.....	R-1
2. Test data	
2-1. Conducted emission	R-2~12
2-2. Radiated emission.....	R-13~20

The above data is typical value data.
The values are considered to be actual capability data.

1. Test Method

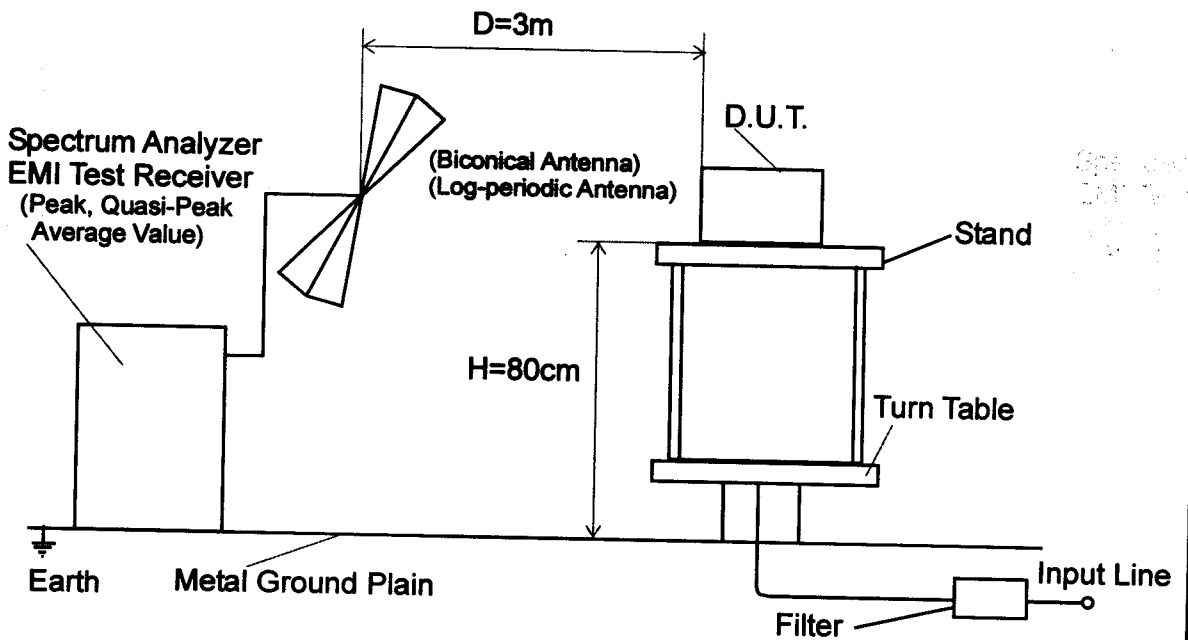
GEN750

(1) Conducted Emission



SPECTRUM ANALYZER	8567A	(HEWLETT.PACKARD)
EMI TEST RECEIVER	ESS	(ROHDE & SCHWARZ)
LISN	3825/2	(EMCO)

(2) Radiated Emission



SPECTRUM ANALYZER	MS2601A	(ANRITSU)
EMI TEST RECEIVER	85462A	(HEWLETT.PACKARD)
Biconical Antenna	3110BA30/200	(EMCO)
Log-Periodic Antenna	LP200000	(ELECTROMETRIX)
	LPA2530	(ELECTROMETRIX)

2. Test data**2-1 Conducted emission****Model: GEN6-100****(1) Test condition**

Input voltage/Frequency: 115VAC/50Hz
 Output current: 100%
 Ambient Temperature: 25°C
 Regulation: FCC Class B; VCCI Class 2

(2) Test results

Under the above test condition, conducted emission level was below the limit line.
 Refer to the following interference wave list and next page for spectrum data.

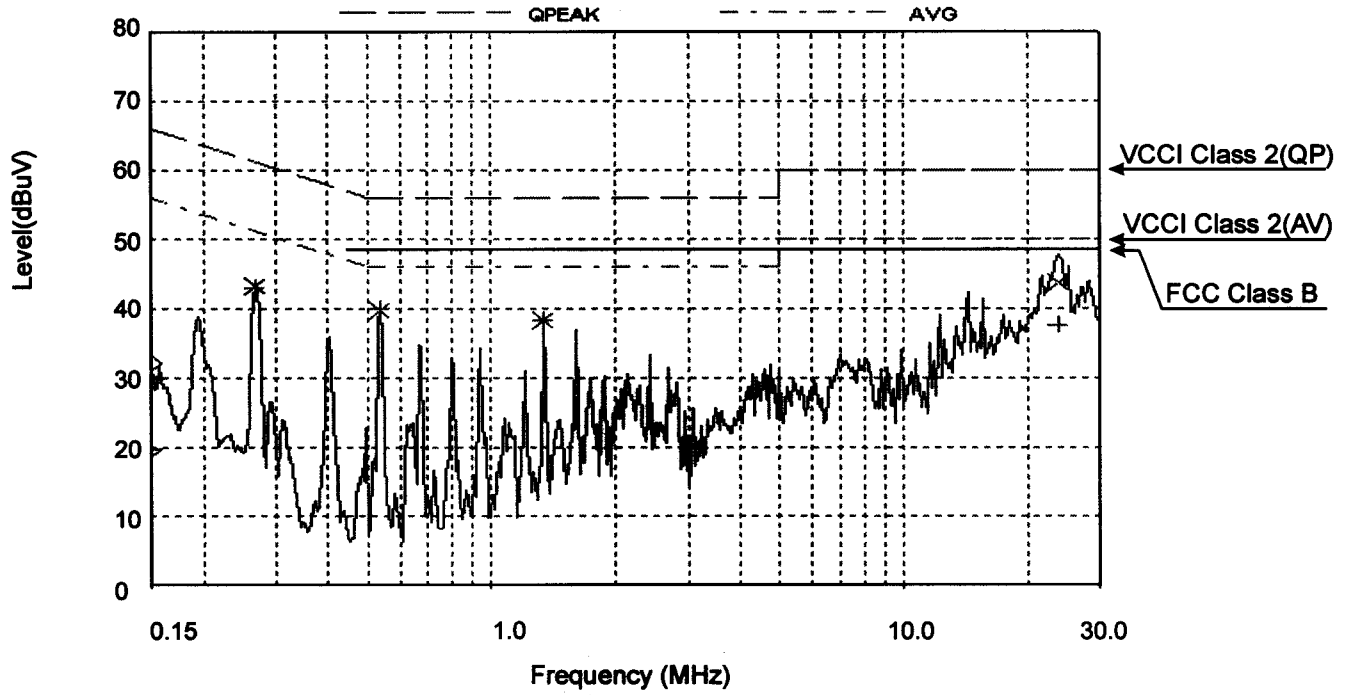
Interference wave list

PHASE	FREQ	RESULT		VCCI Class 2				FCC Class B	
				LIMIT		MARGIN		LIMIT	MARGIN
				QP	AV	QP	AV	QP	QP
	MHz	dBuV	dBuV	dBuV	dBuV	dB	dB	dBuV	dB
L	0.2678	43.14	43.11	61.19	51.19	18.05	8.08	-	-
L	0.5356	39.83	40.02	56.00	46.00	16.17	5.98	-	-
L	1.3374	38.21	38.33	56.00	46.00	17.79	7.67	-	-
N	0.5356	38.72	38.74	56.00	46.00	17.28	7.26	-	-
N	1.3374	39.82	40.00	56.00	46.00	16.18	6.00	-	-
N	23.8507	44.19	38.20	60.00	50.00	15.81	11.80	-	-

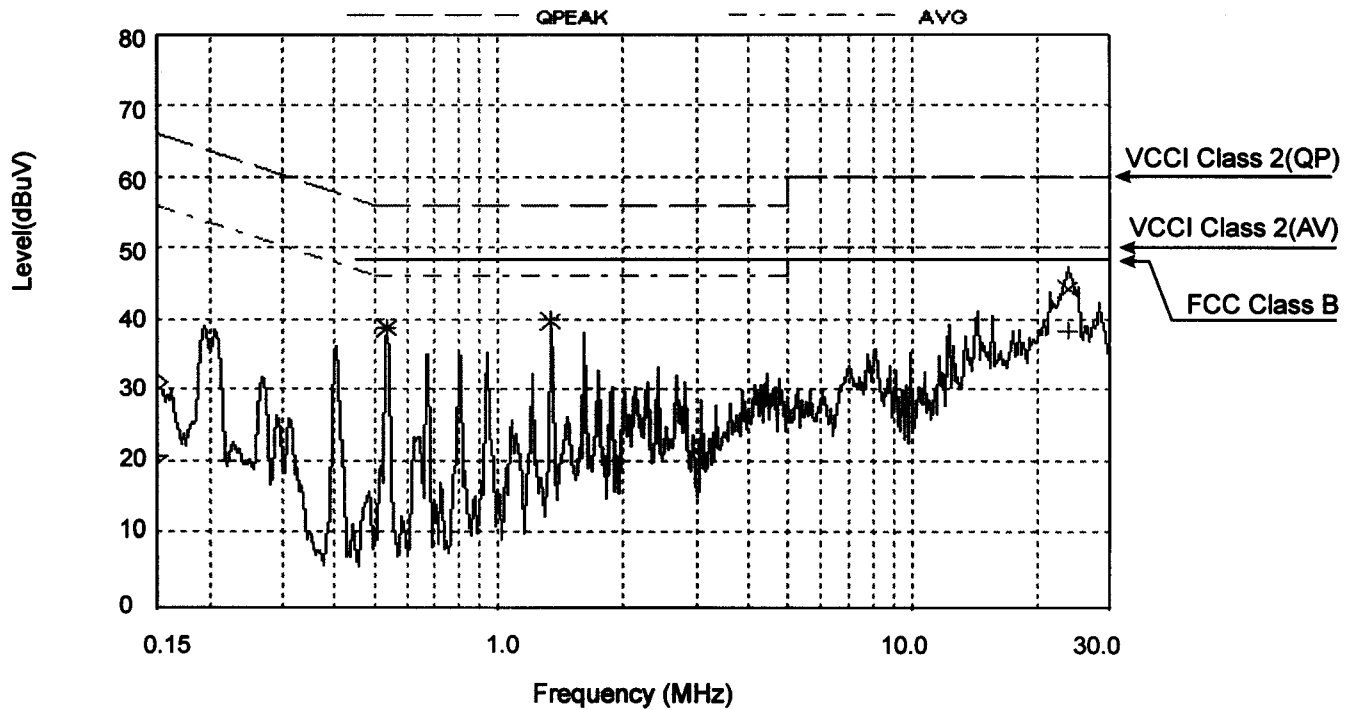
Conditions: Vin: 115VAC
Vout: 100%
Iout: 100%
Ta : 25°C

Phase: L

GEN6-100



Phase: N



Limits of EN55022-B are same as its VCCI class 2

E M I

Electro-Magnetic Interference characteristics.

GEN750

Conditions: Vin: 230VAC

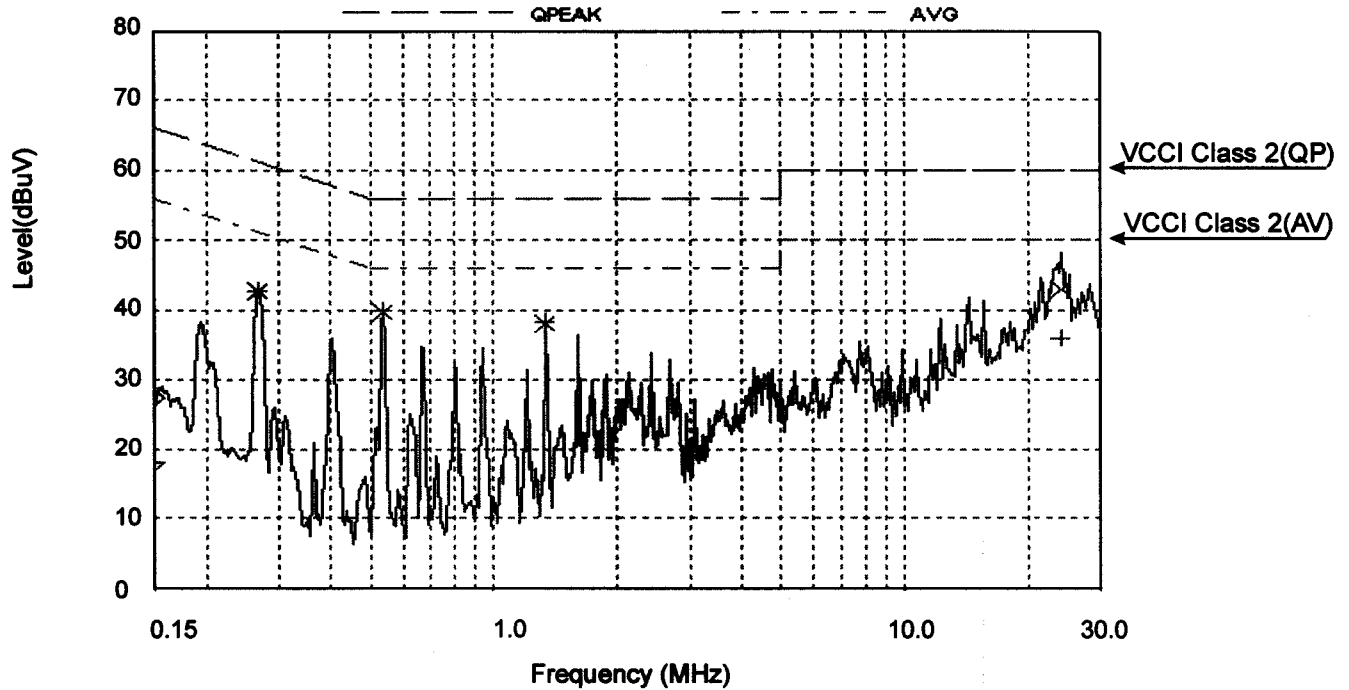
Vout: 100%

Iout: 100%

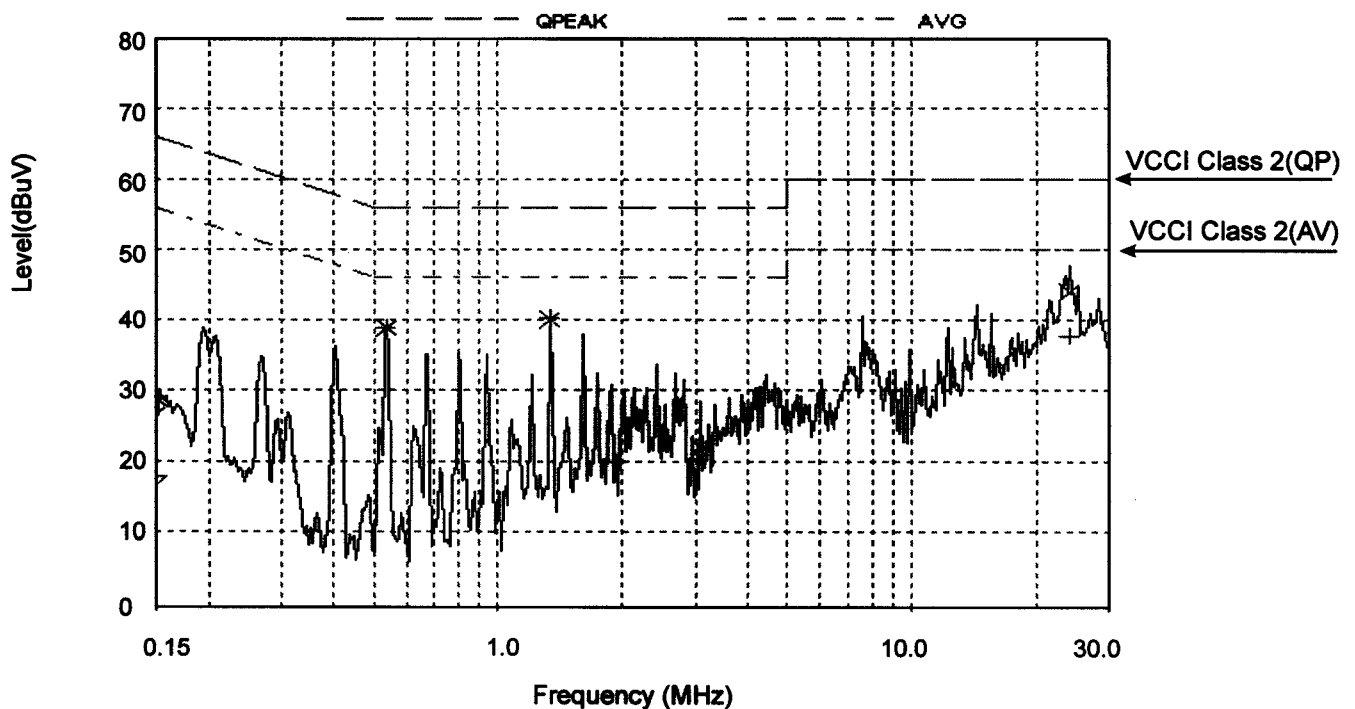
Ta : 25°C

Phase: L

GEN6-100



Phase: N



Limits of EN55022-B are same as its VCCI class 2

E M I

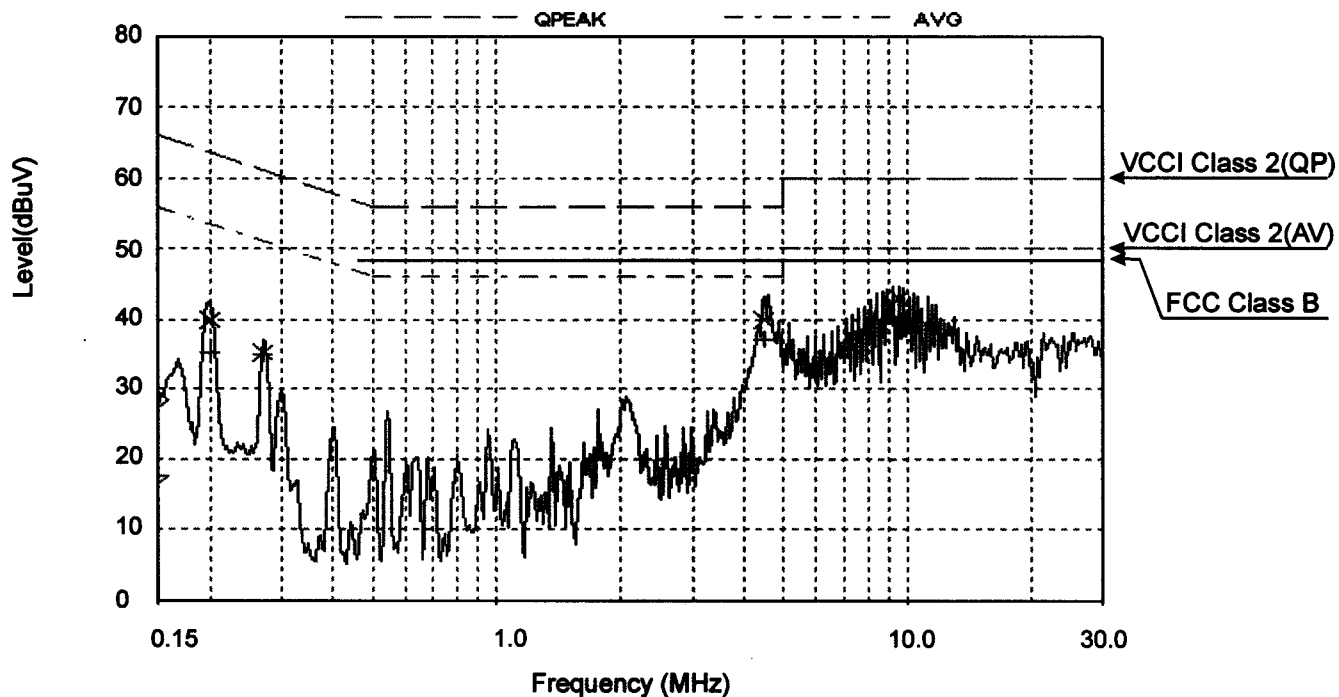
Electro-Magnetic Interference characteristics.

GEN750

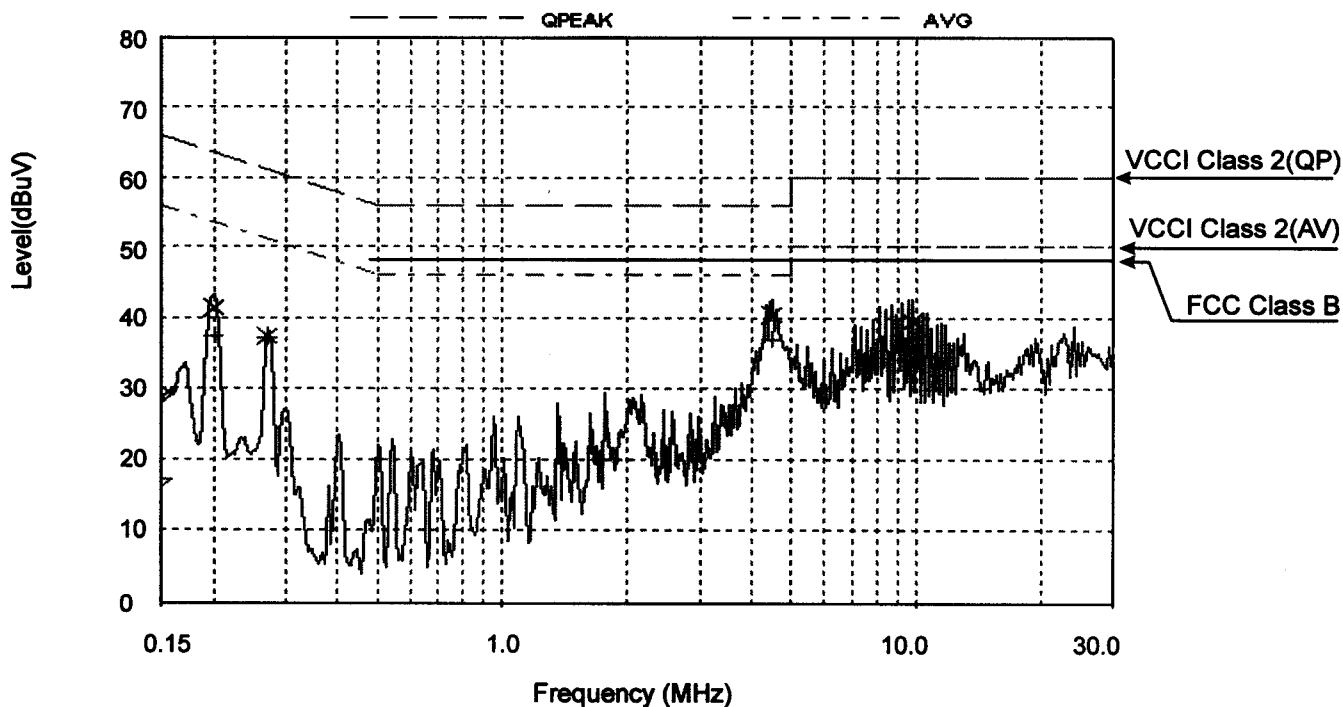
Conditions: Vin: 115VAC
Vout: 100%
Iout: 100%
Ta : 25°C

Phase: L

GEN60-12.5



Phase: N



Limits of EN55022-B are same as its VCCI class 2

EMI

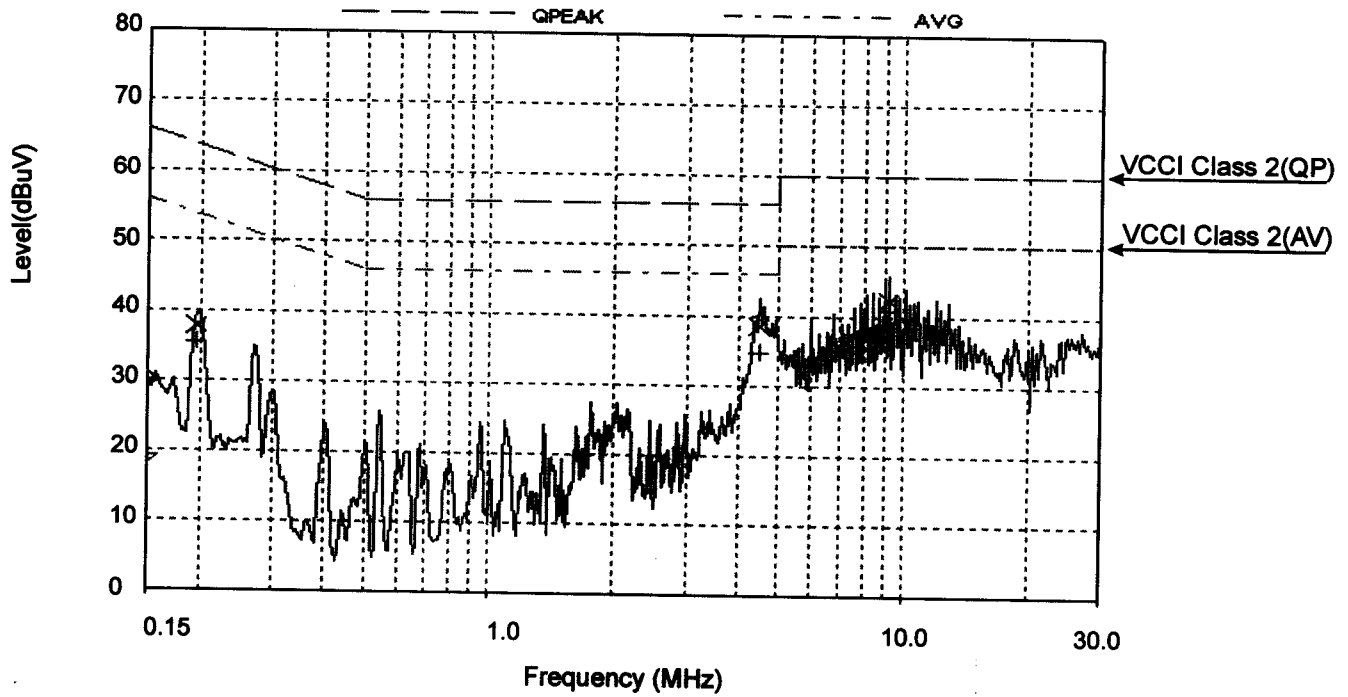
Electro-Magnetic Interference characteristics.

GEN750

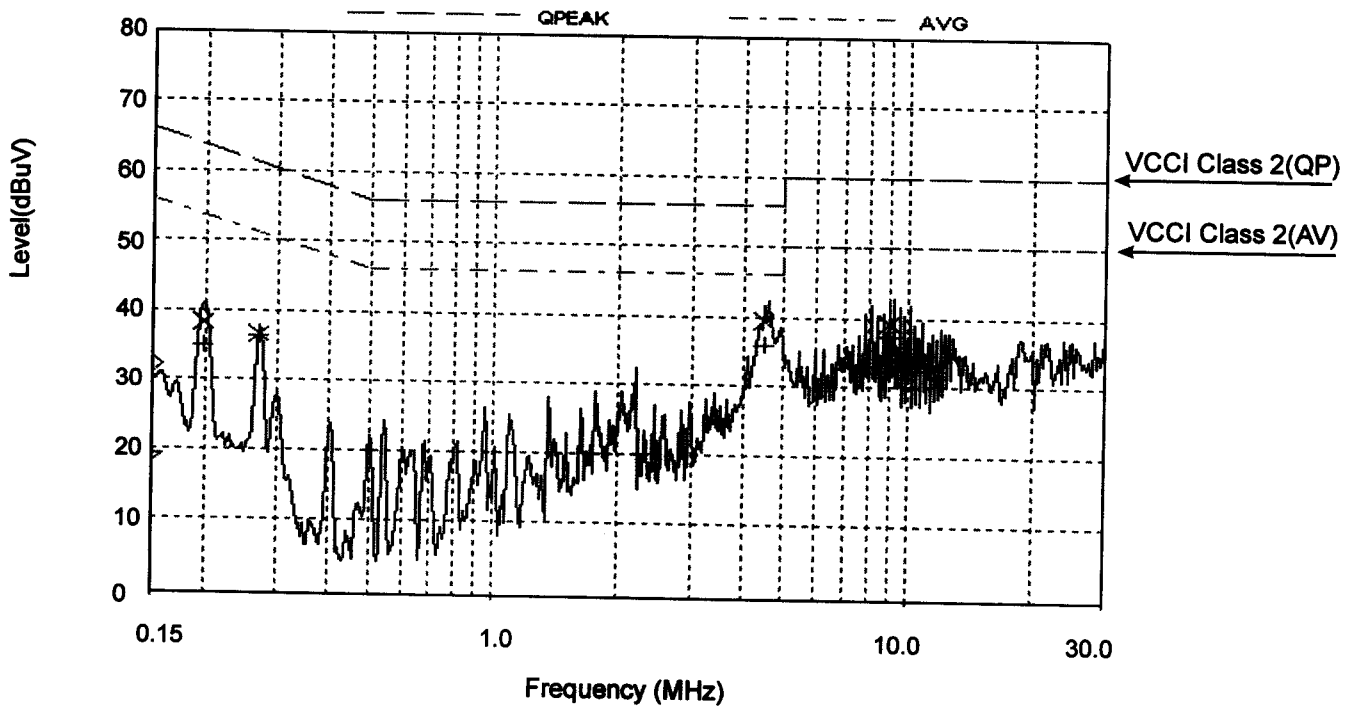
Conditions: Vin: 230VAC
Vout: 100%
Iout: 100%
Ta : 25°C

Phase: L

GEN60-12.5



Phase: N



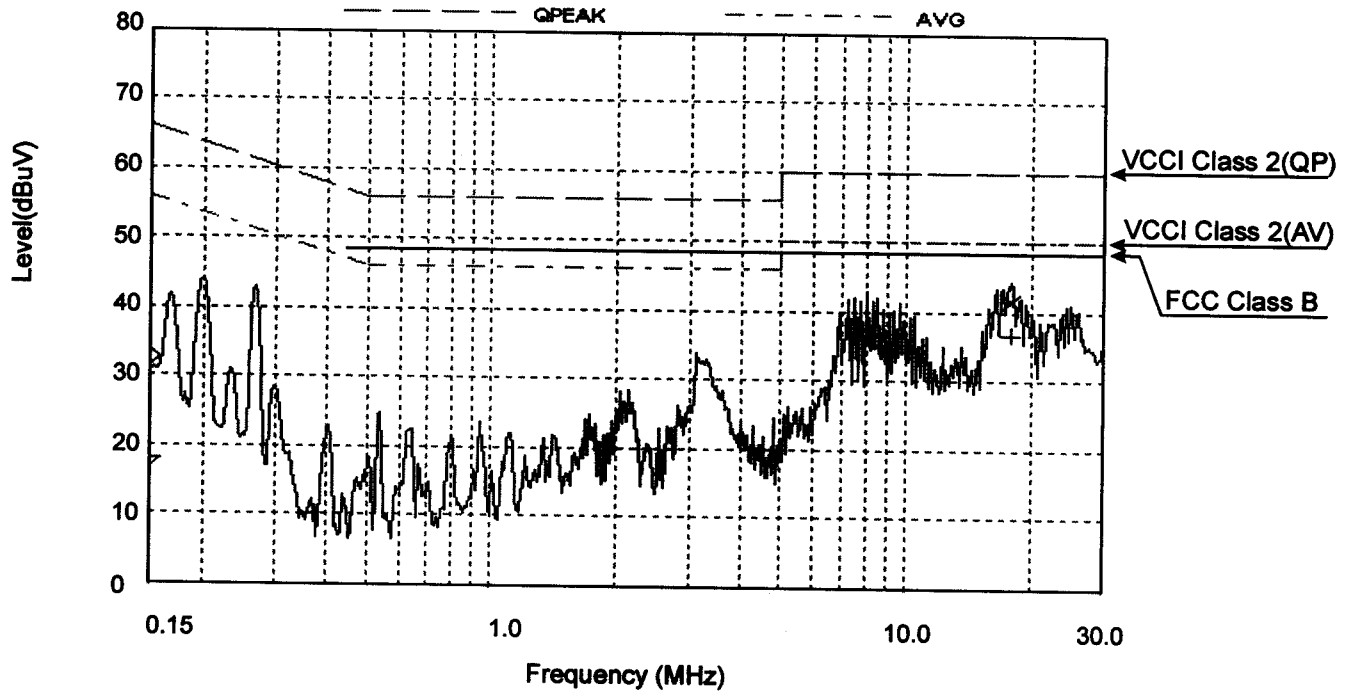
Limits of EN55022-B are same as its VCCI class 2

NEMIC-LAMBDA

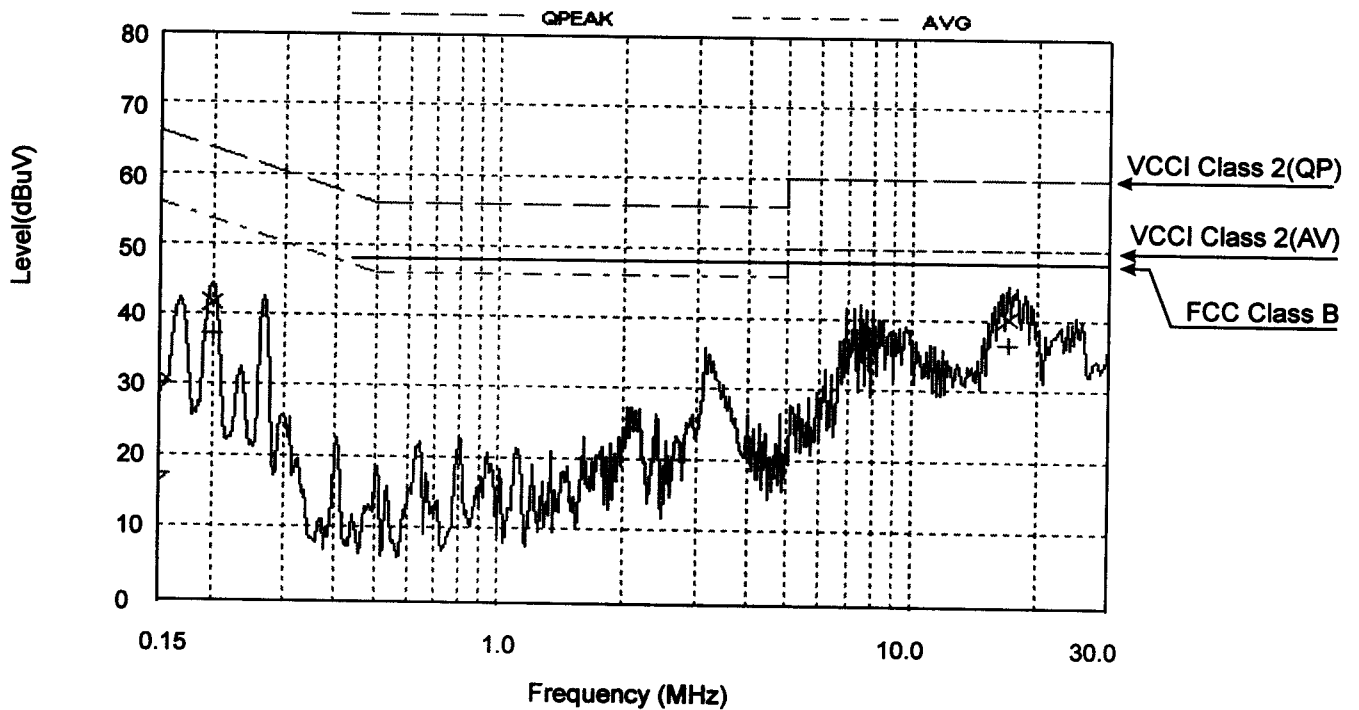
Conditions: Vin: 115VAC
Vout: 100%
Iout: 100%
Ta : 25°C

Phase: L

GEN100-7.5



Phase: N



Limits of EN55022-B are same as its VCCI class 2

EMI

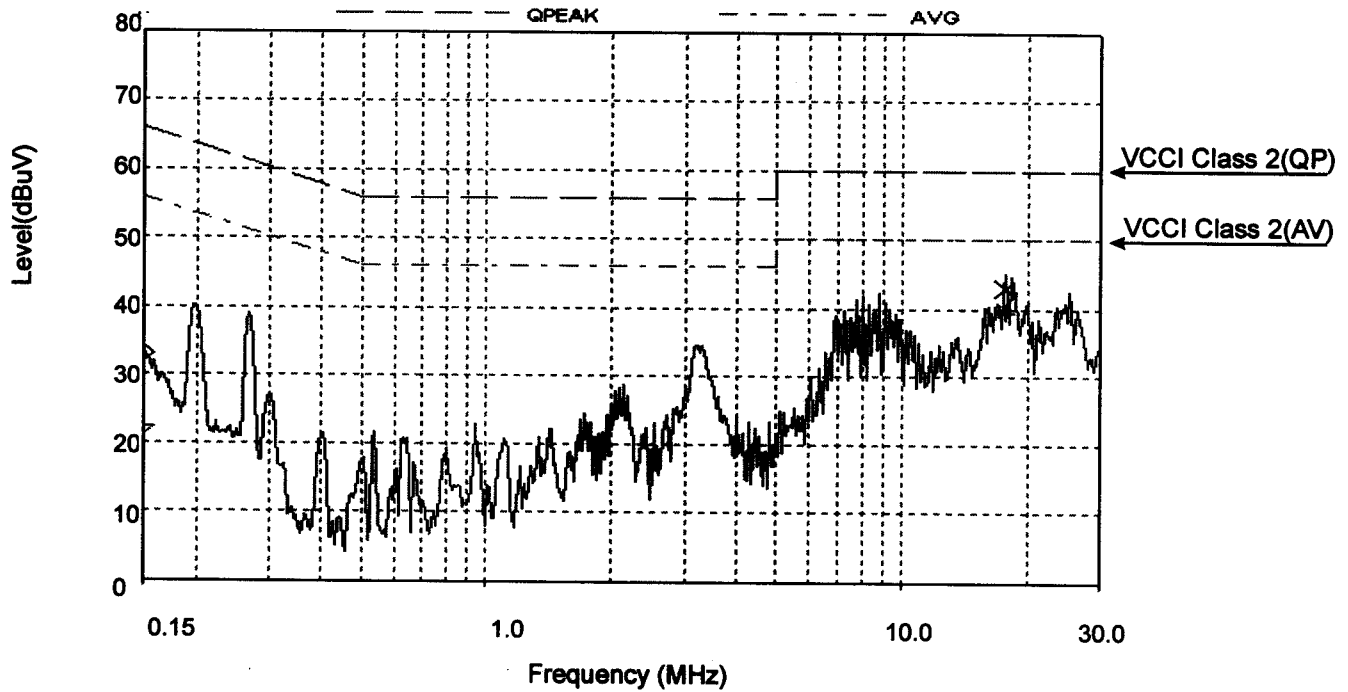
Electro-Magnetic Interference characteristics.

GEN750

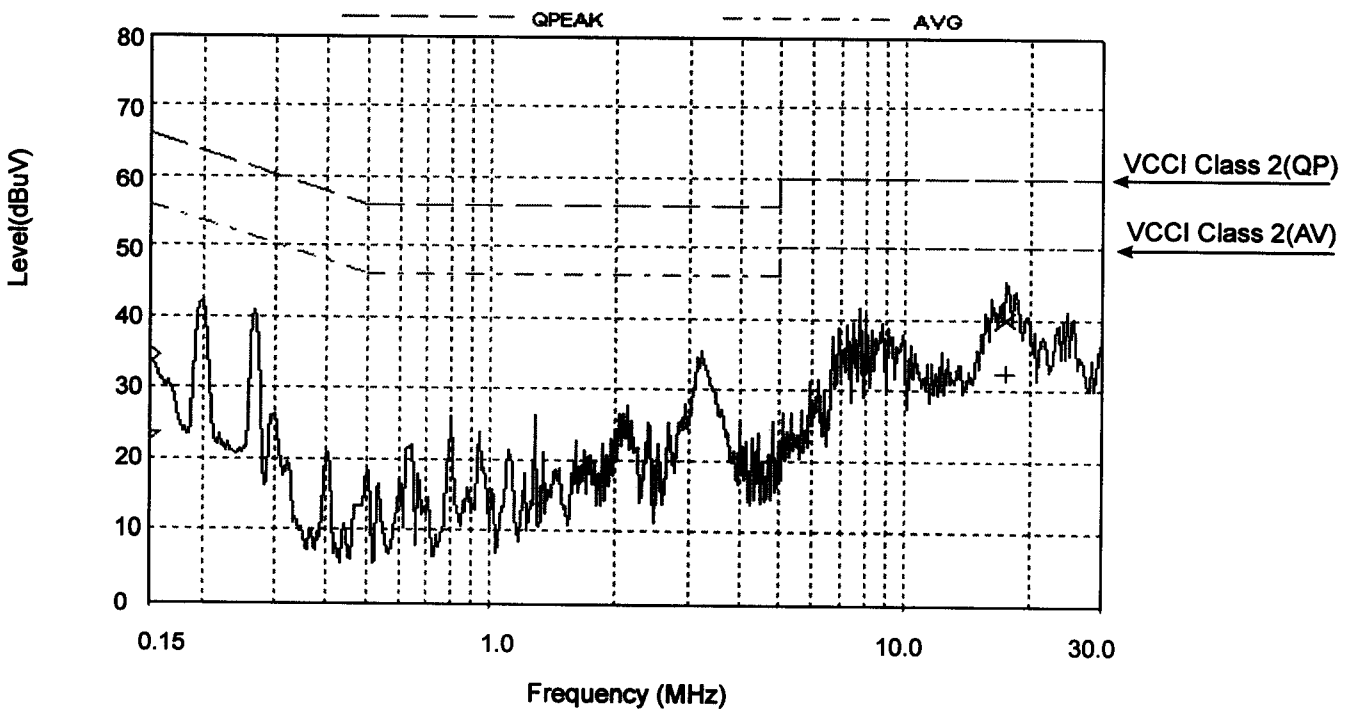
Conditions: Vin: 230VAC
Vout: 100%
Iout: 100%
Ta : 25°C

Phase: L

GEN100-7.5



Phase: N



Limits of EN55022-B are same as its VCCI class 2

Model: GEN600-1.3**(1) Test condition**

Input voltage/Frequency: 115VAC/50Hz
 Output current: 100%
 Ambient Temperature: 25°C
 Regulation: FCC Class B; VCCI Class 2

(2) Test results

Under the above test condition, conducted emission level was below the limit line.
 Refer to the following interference wave list and next page for spectrum data.

Interference wave list

PHASE	FREQ	RESULT		VCCI Class 2				FCC Class B	
				LIMIT		MARGIN		LIMIT	MARGIN
				QP	AV	QP	AV	QP	QP
	MHz	dBuV	dBuV	dBuV	dBuV	dB	dB	dBuV	dB
L	0.2737	44.64	44.28	61.00	51.00	16.36	6.72	-	-
L	6.3037	46.40	37.41	60.00	50.00	13.60	12.59	-	-
L	6.5870	49.05	43.11	60.00	50.00	10.95	6.89	-	-
N	0.2753	47.61	47.67	60.96	50.96	13.35	3.29	-	-
N	6.5870	47.18	39.97	60.00	50.00	12.82	10.03	-	-
N	7.1350	44.51	36.93	60.00	50.00	15.49	13.07	-	-

EMI

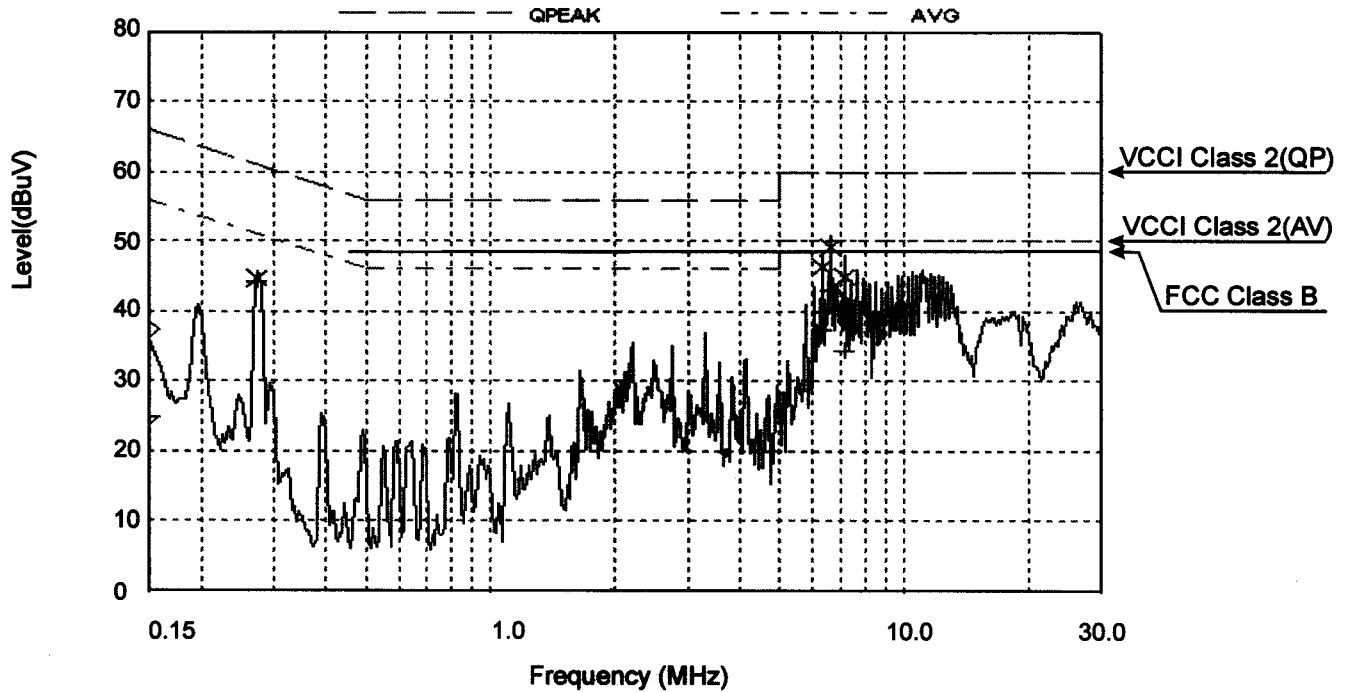
Electro-Magnetic Interference characteristics.

GEN750

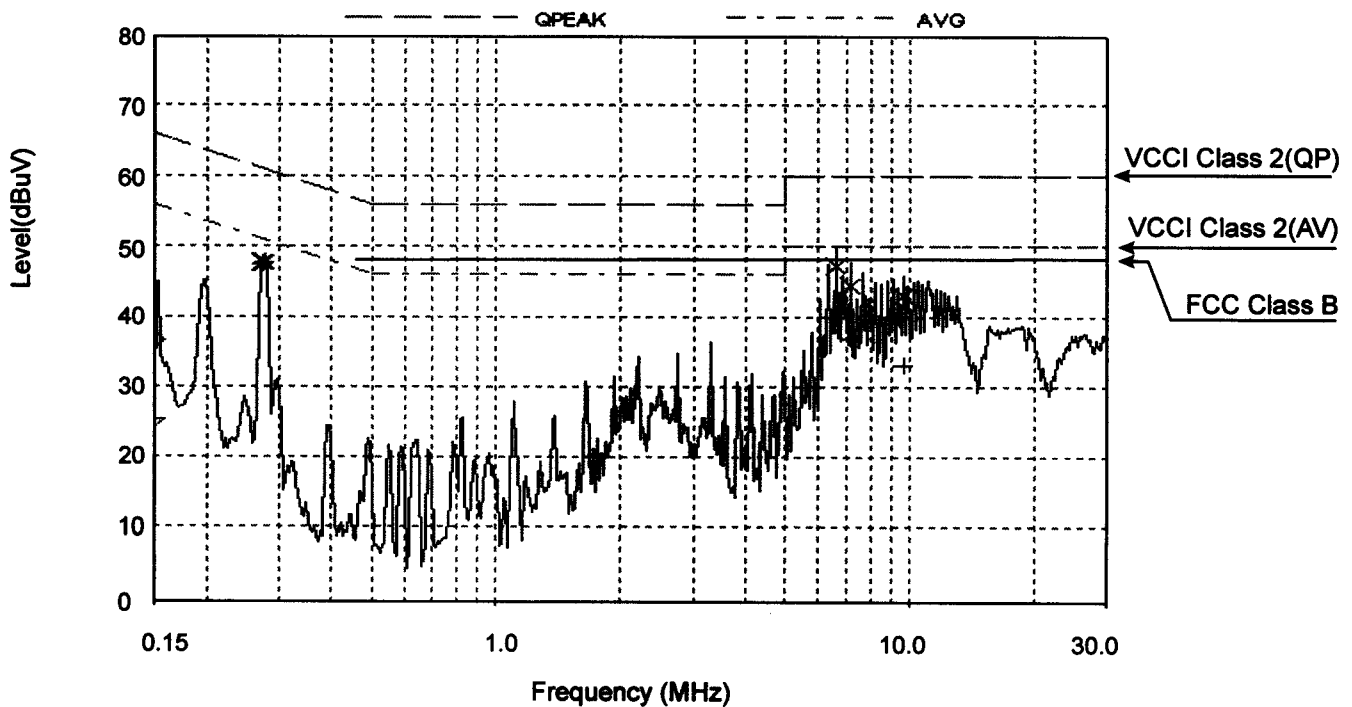
Conditions: Vin: 115VAC
Vout: 100%
Iout: 100%
Ta : 25°C

Phase: L

GEN600-1.3



Phase: N



Limits of EN55022-B are same as its VCCI class 2

Model: GEN600-1.3**(1) Test condition**

Input voltage/Frequency: 230VAC/50Hz
 Output current: 100%
 Ambient Temperature: 25°C
 Regulation: EN55022 ClassB(*1)

*1: The limit of VCCI Class2 is the same as EN55022 Class B

(2) Test results

Under the above test condition, conducted emission level was below the limit line.
 Refer to the following interference wave list and next page for spectrum data.

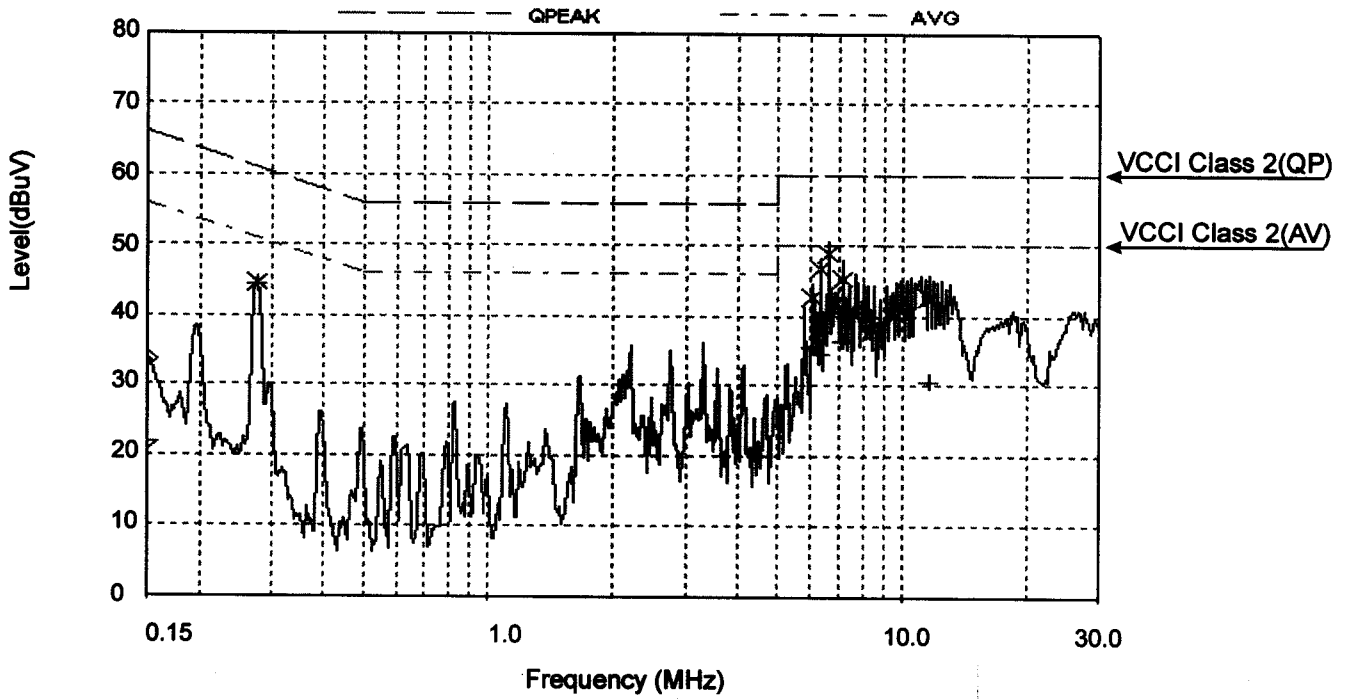
Interference wave list

PHASE	FREQ	RESULT		LIMIT		MARGIN	
		QP	AV	QP	AV	QP	AV
		MHz	dBuV	dBuV	dBuV	dBuV	dB
L	0.2753	44.64	44.48	60.96	50.96	16.32	6.48
L	6.6002	48.89	40.61	60.00	50.00	11.11	9.39
L	7.1493	45.42	36.51	60.00	50.00	14.58	13.49
N	0.2737	47.69	47.02	61.00	51.00	13.31	3.98
N	6.6002	48.05	40.05	60.00	50.00	11.95	9.95
N	9.7445	33.21	22.40	60.00	50.00	26.79	27.60

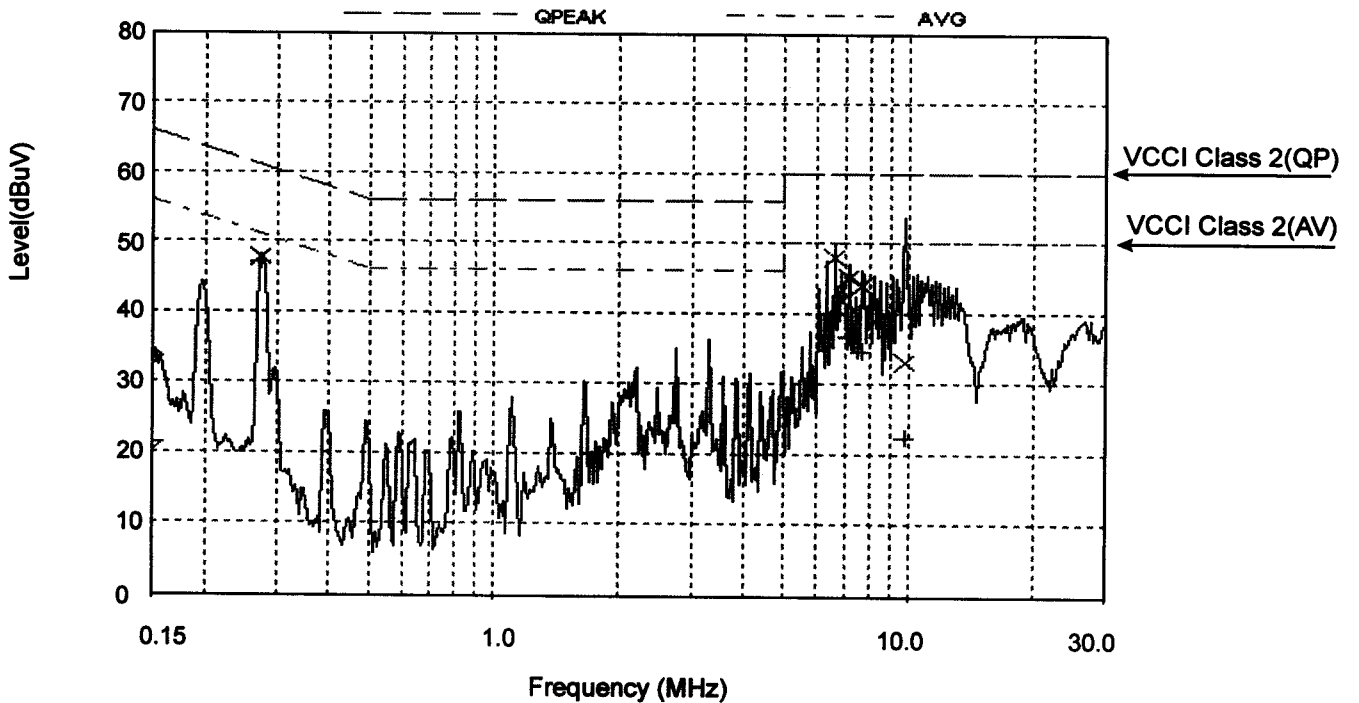
Conditions: Vin: 230VAC
Vout: 100%
Iout: 100%
Ta : 25°C

Phase: L

GEN600-1.3



Phase: N



Limits of EN55022-B are same as its VCCI class 2

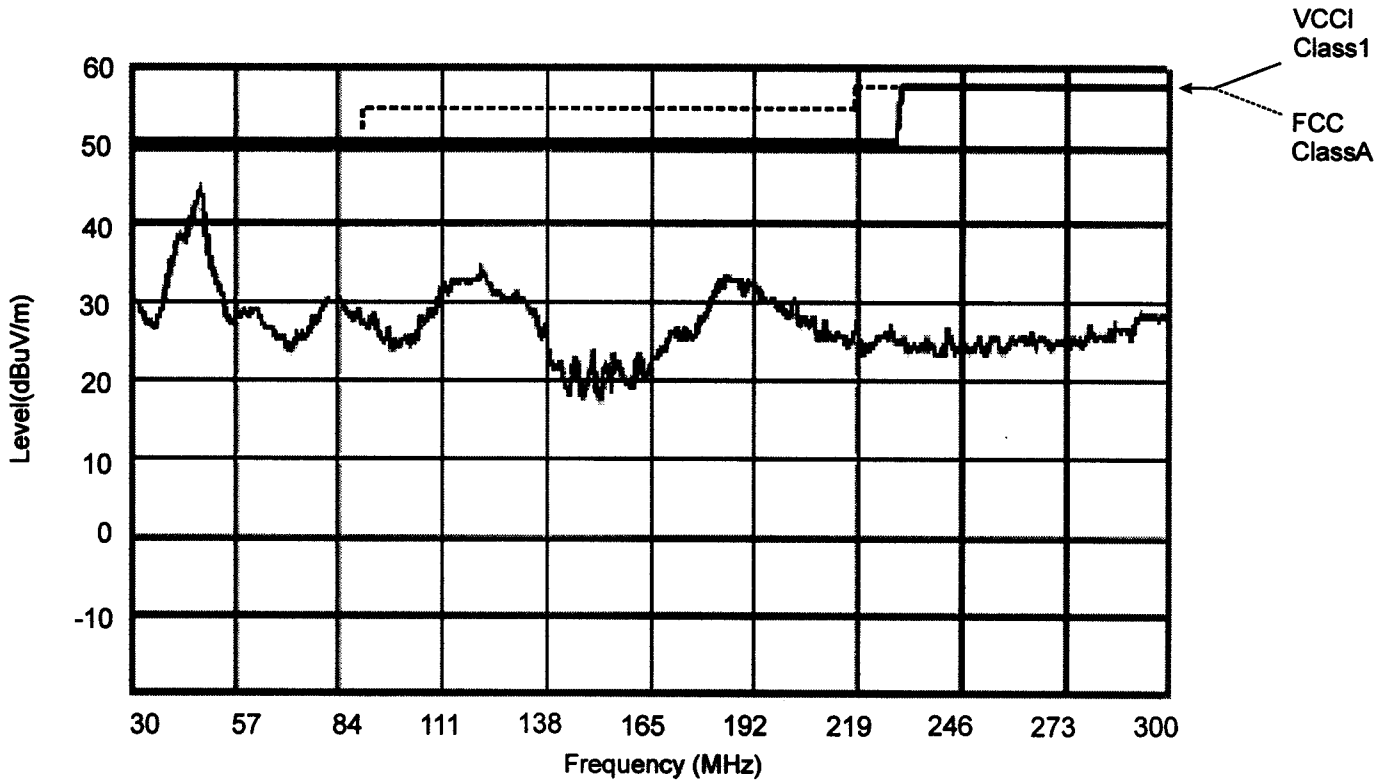
2-2 Radiated emission

GEN750

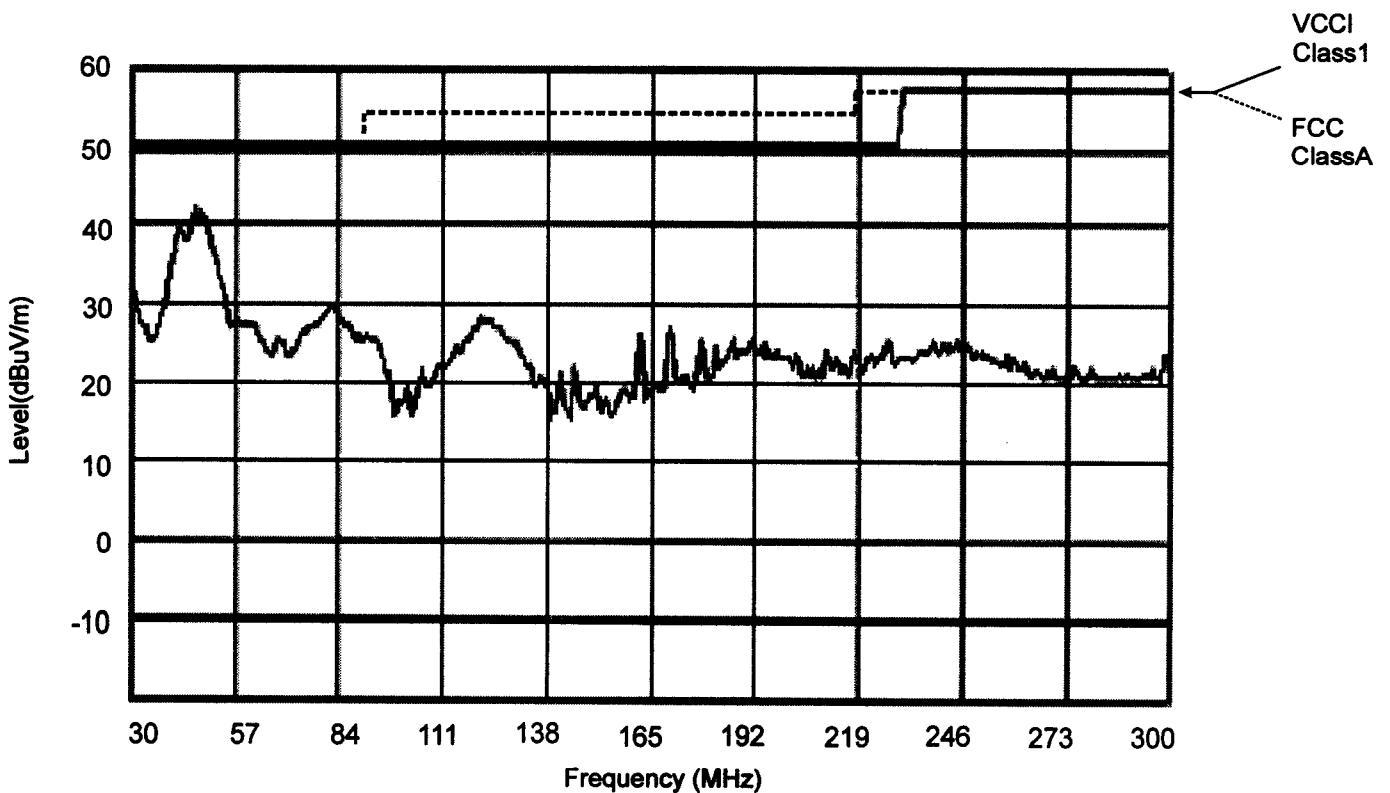
Conditions: Vin: 115VAC
Vout: 100%
Iout: 100%
Ta : 25°C

GEN6-100

Horizontal



Vertical



Limits of EN55022-A are same as its VCCI class 1

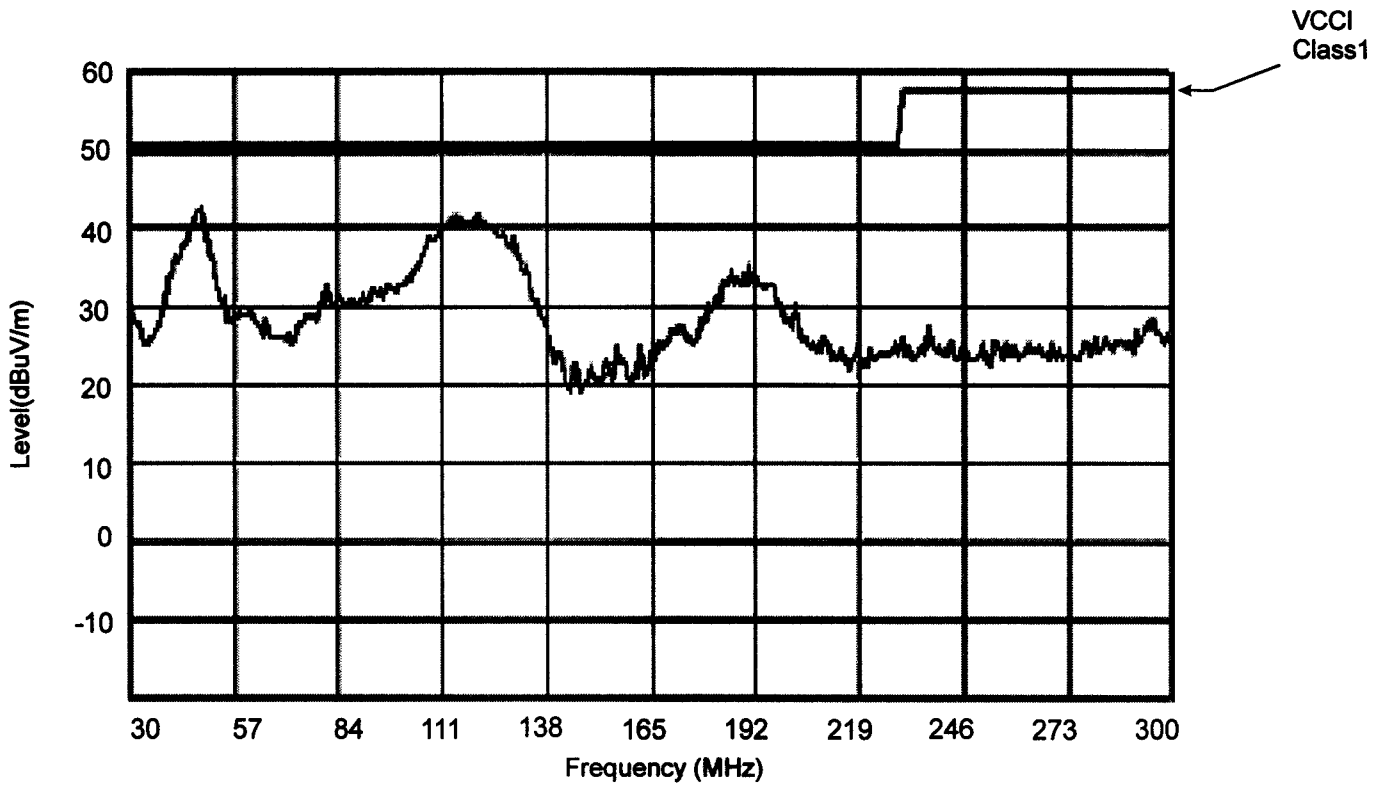
NEMIC-LAMBDA

GEN750

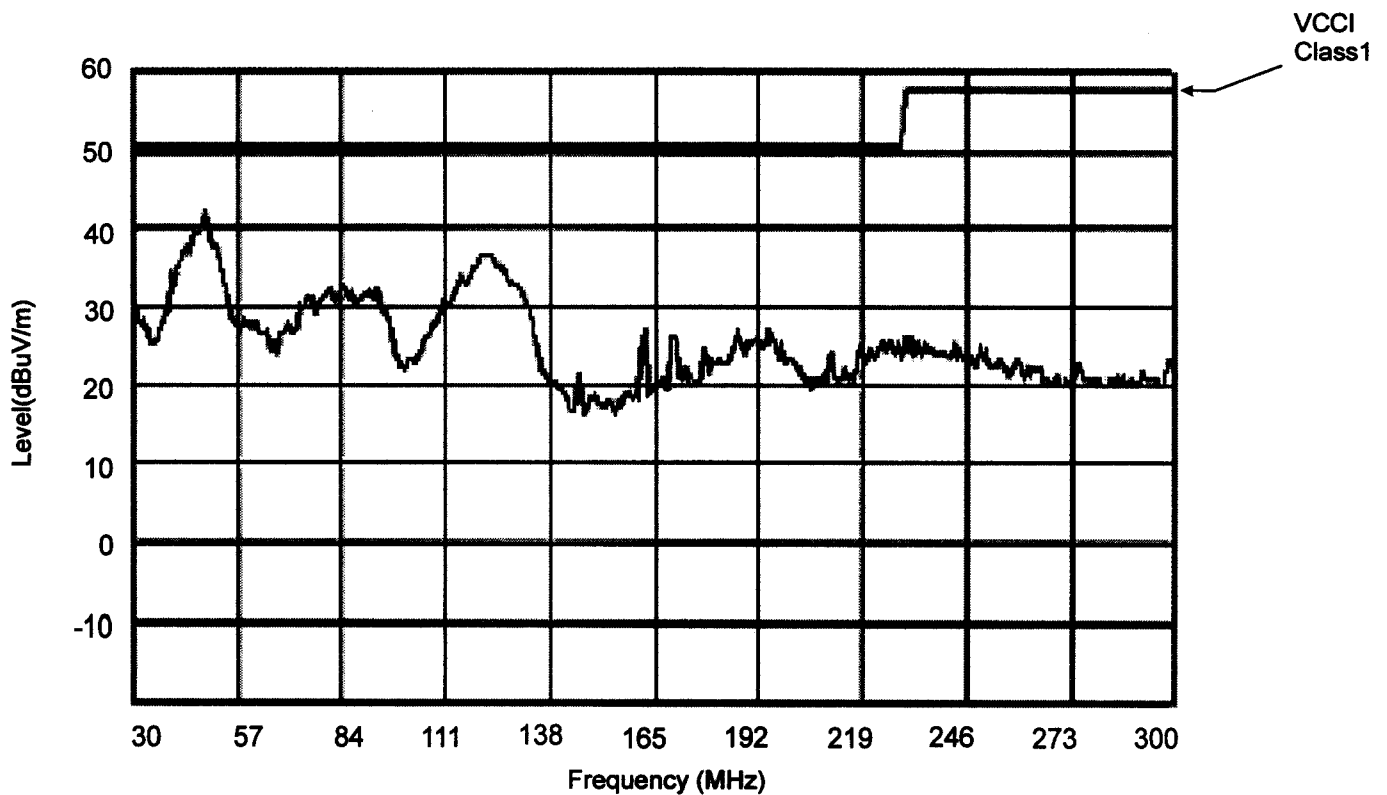
Conditions: Vin: 230VAC
Vout: 100%
Iout: 100%
Ta : 25°C

GEN6-100

Horizontal



Vertical



Limits of EN55022-A are same as its VCCI class 1

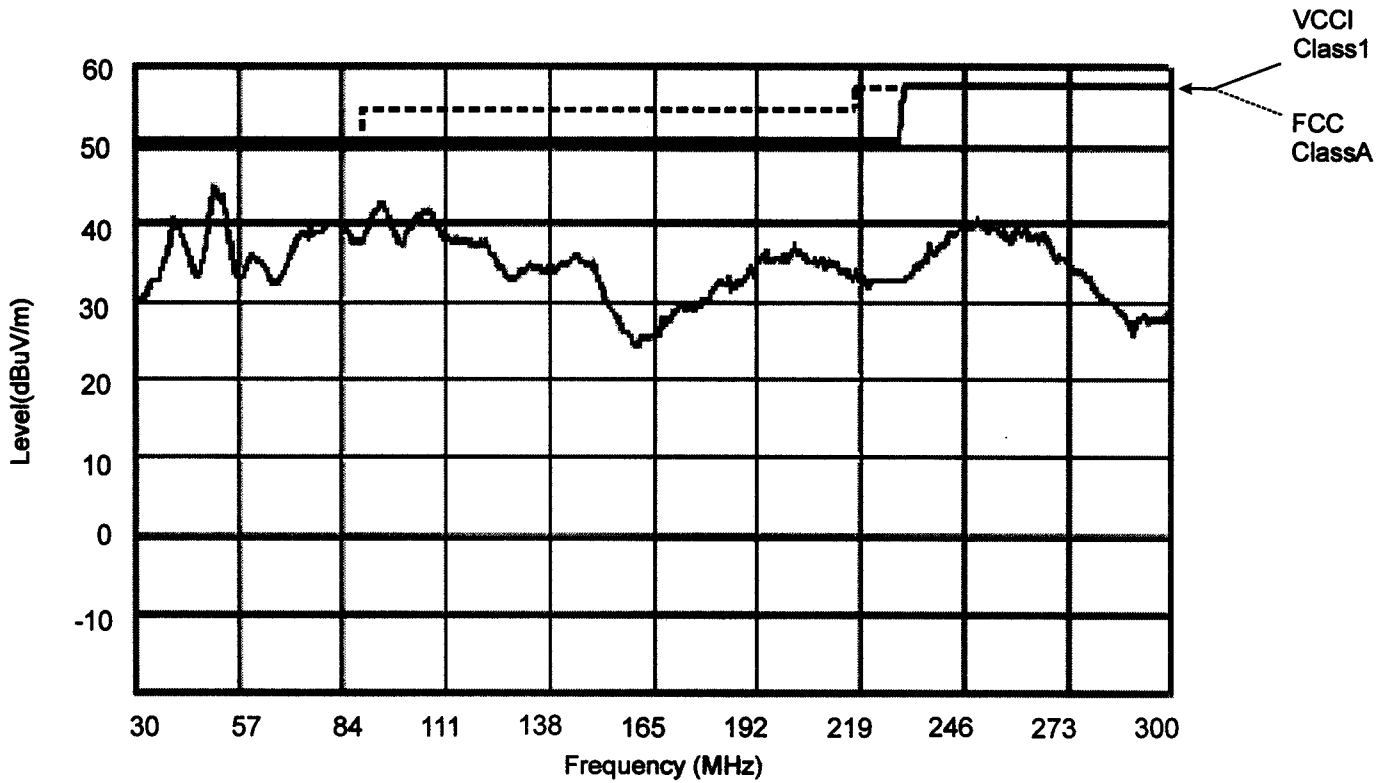
NEMIC-LAMBDA

GEN750

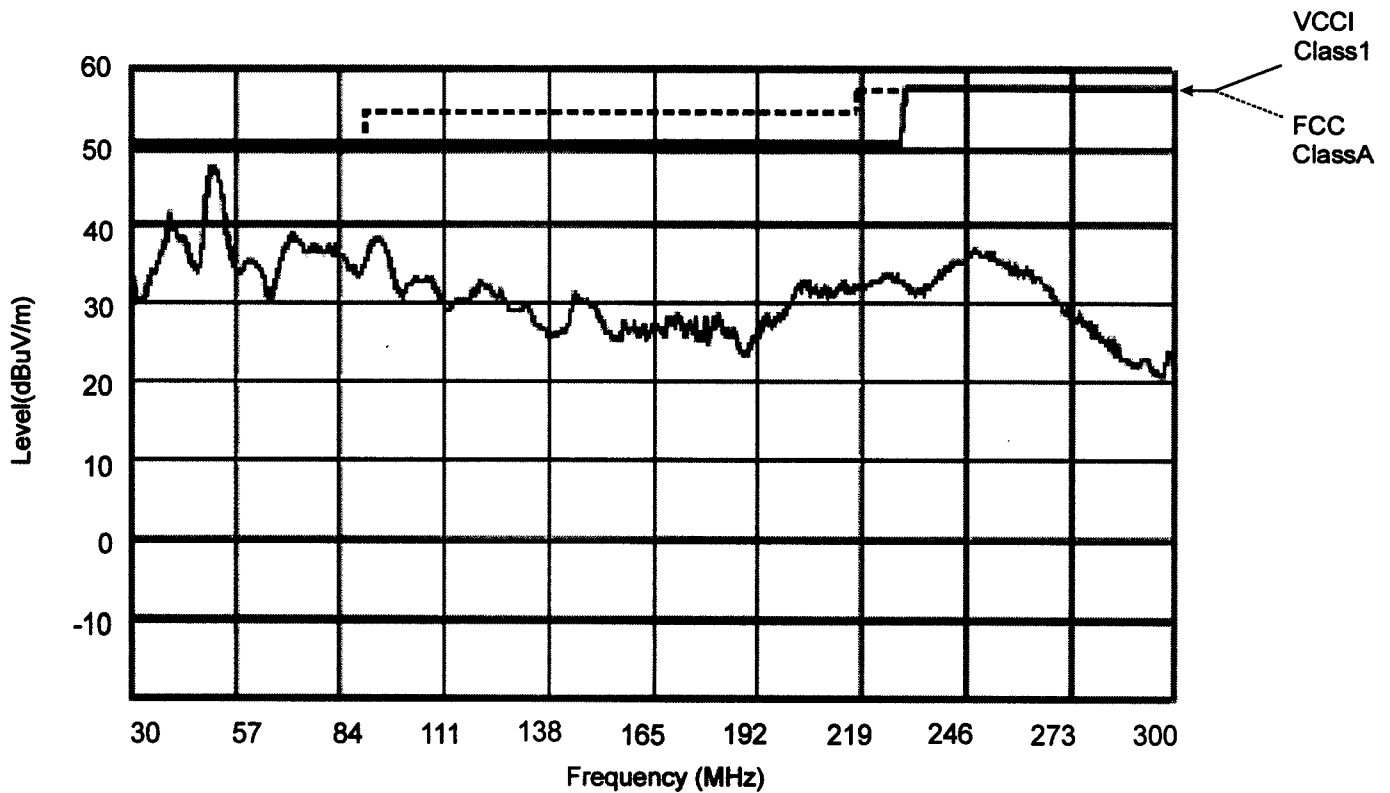
Conditions: Vin: 115VAC
Vout: 100%
Iout: 100%
Ta : 25°C

GEN60-12.5

Horizontal



Vertical



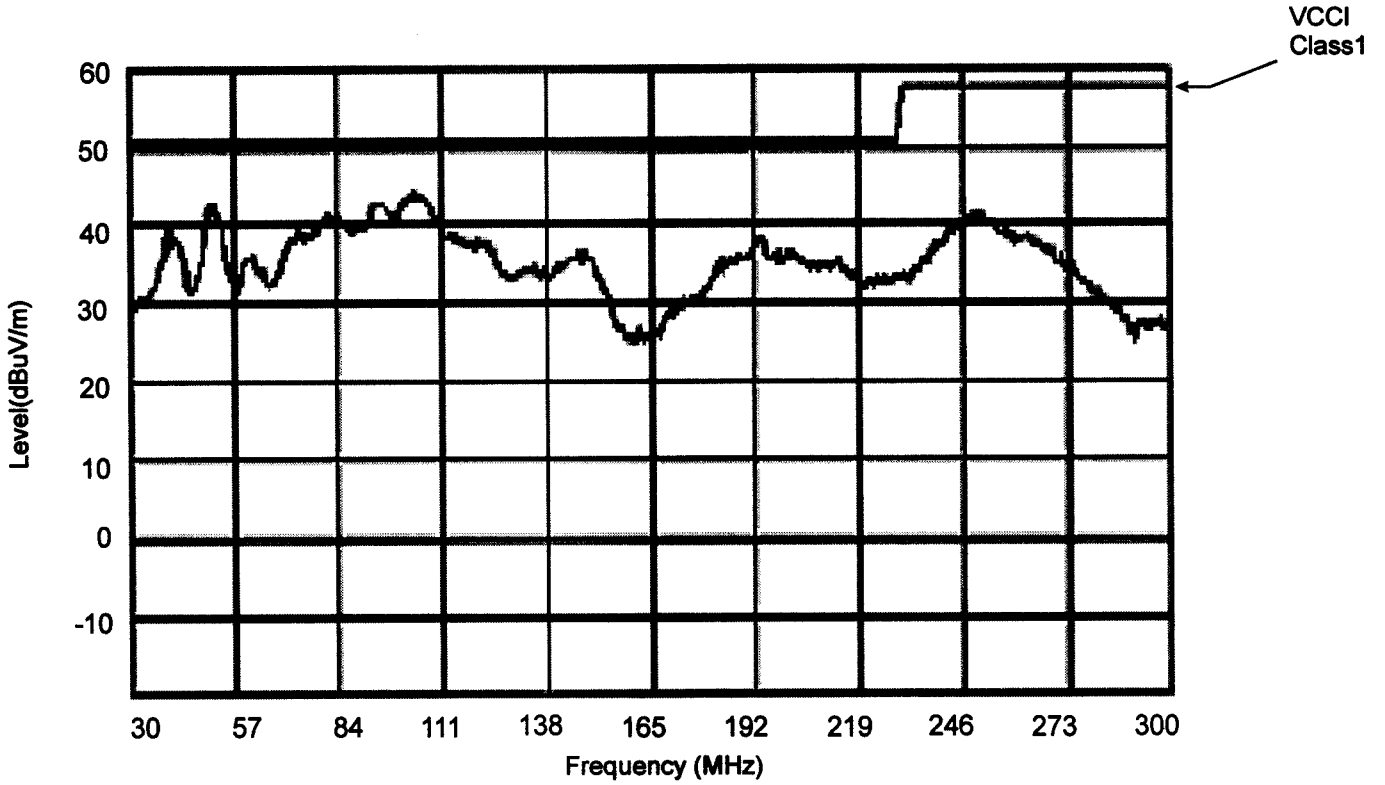
Limits of EN55022-A are same as its VCCI class 1

NEMIC-LAMBDA

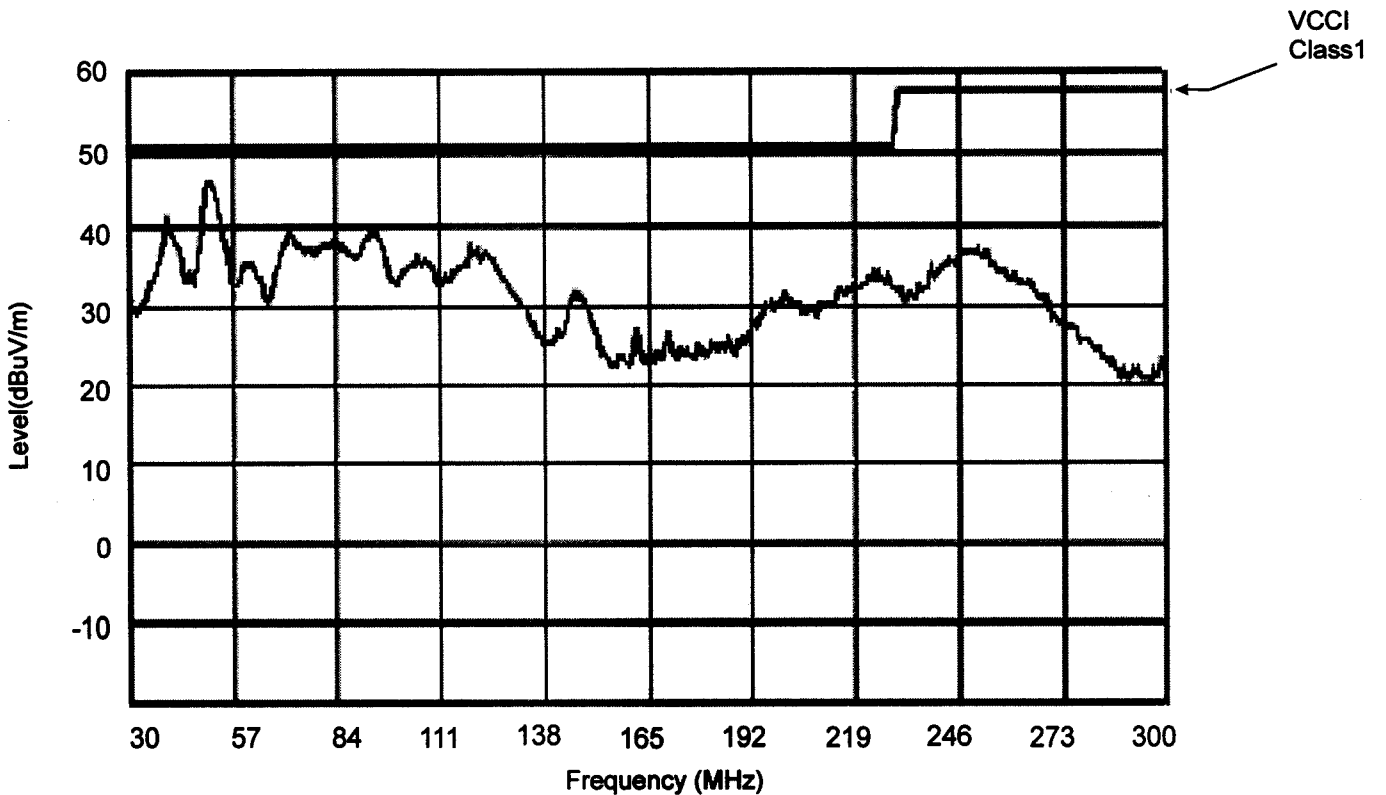
Conditions: Vin: 230VAC
Vout: 100%
Iout: 100%
Ta : 25°C

GEN60-12.5

Horizontal



Vertical



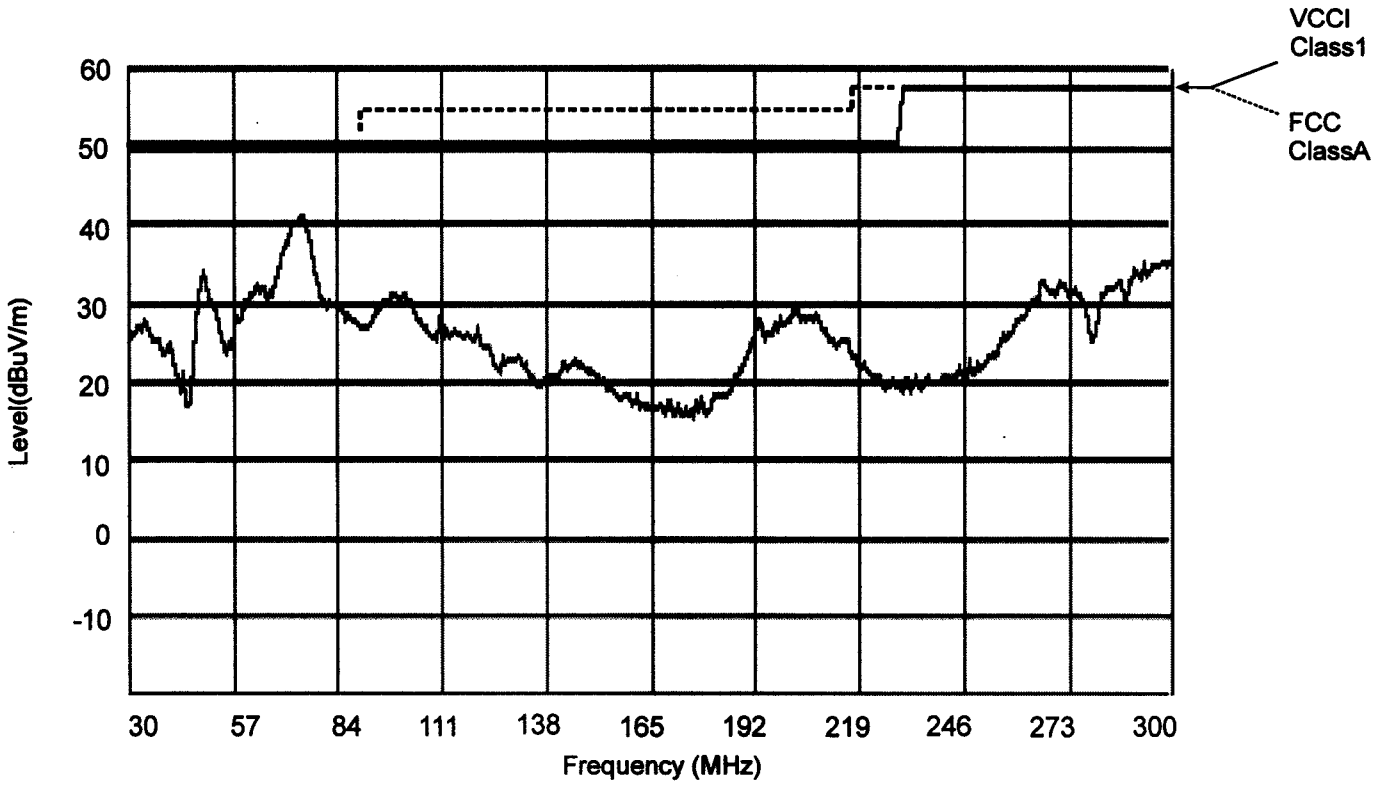
Limits of EN55022-A are same as its VCCI class 1

GEN750

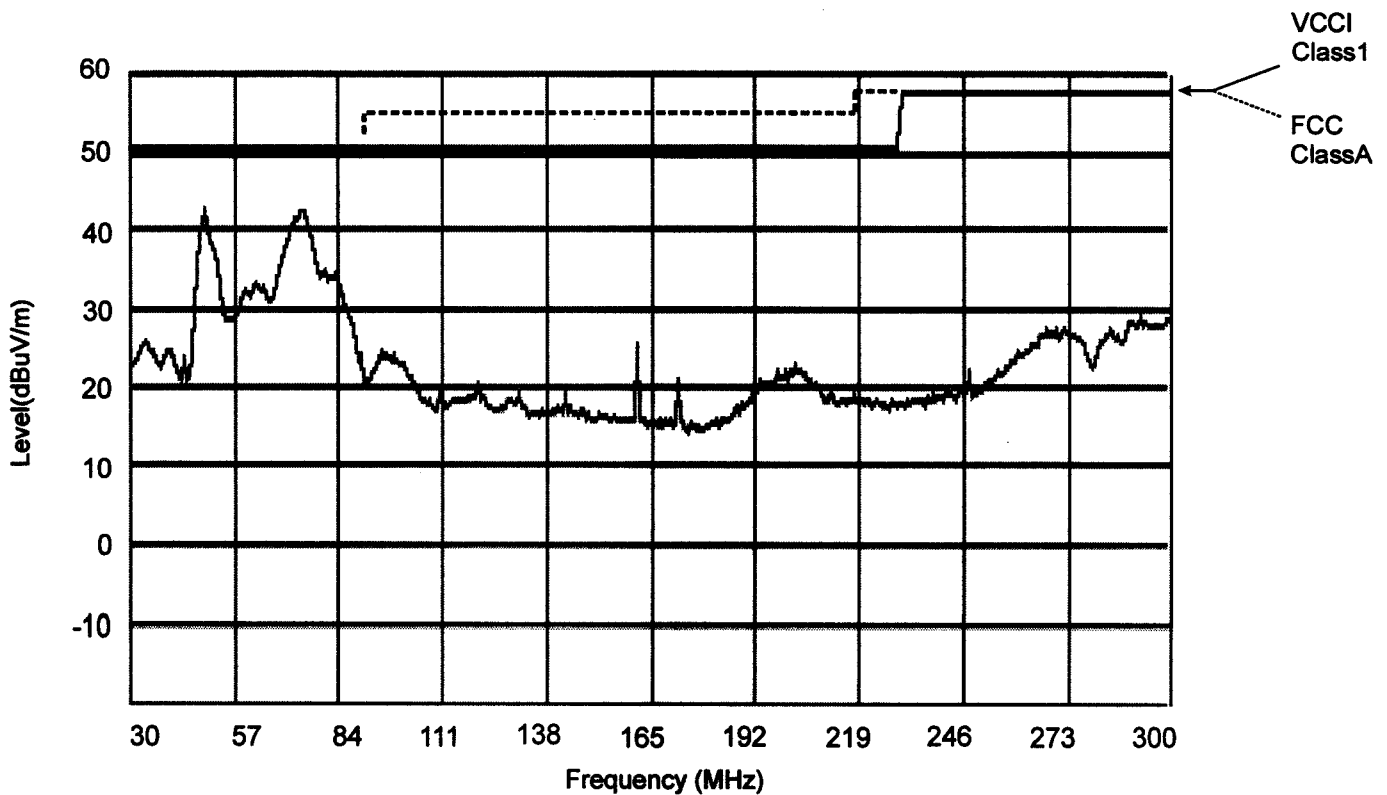
Conditions: Vin: 115VAC
Vout: 100%
Iout: 100%
Ta : 25°C

GEN100-7.5

Horizontal



Vertical



Limits of EN55022-A are same as its VCCI class 1

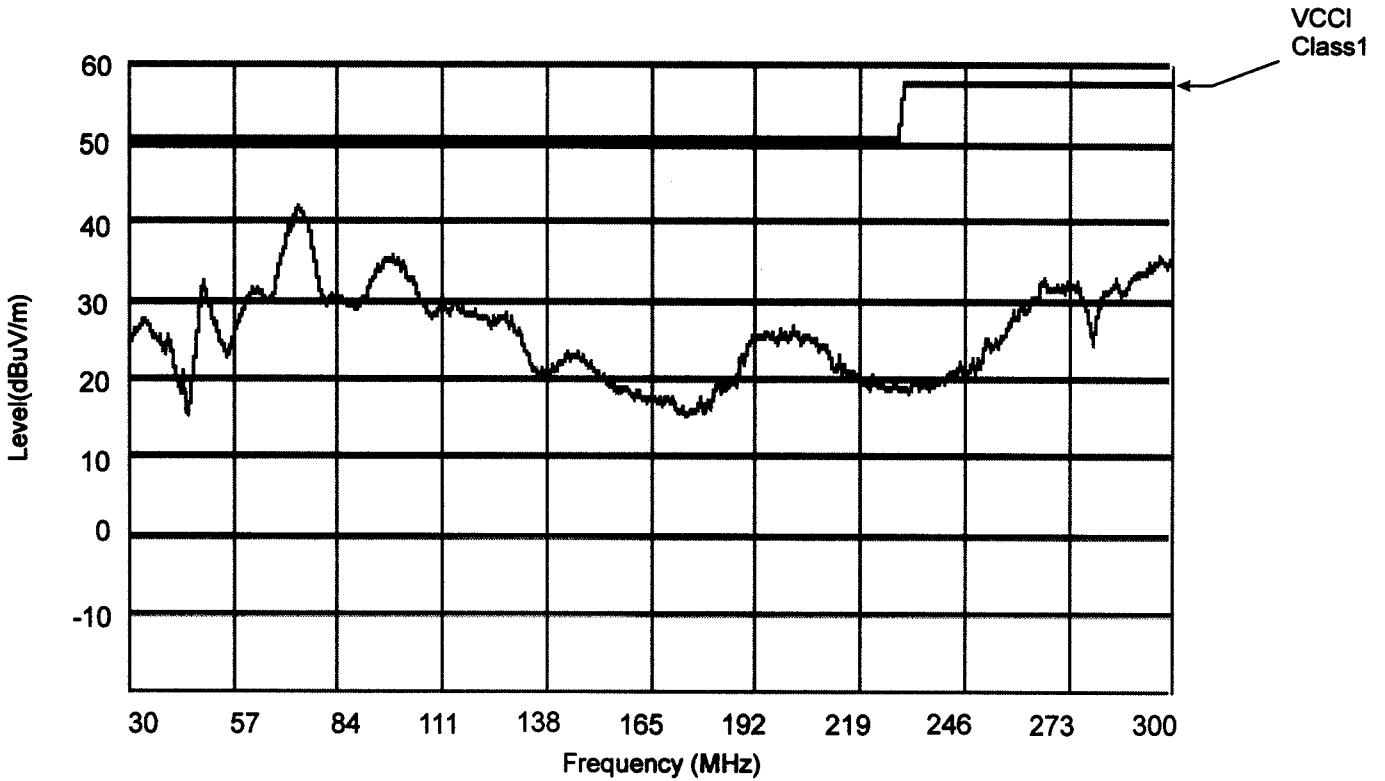
NEMIC-LAMBDA

GEN750

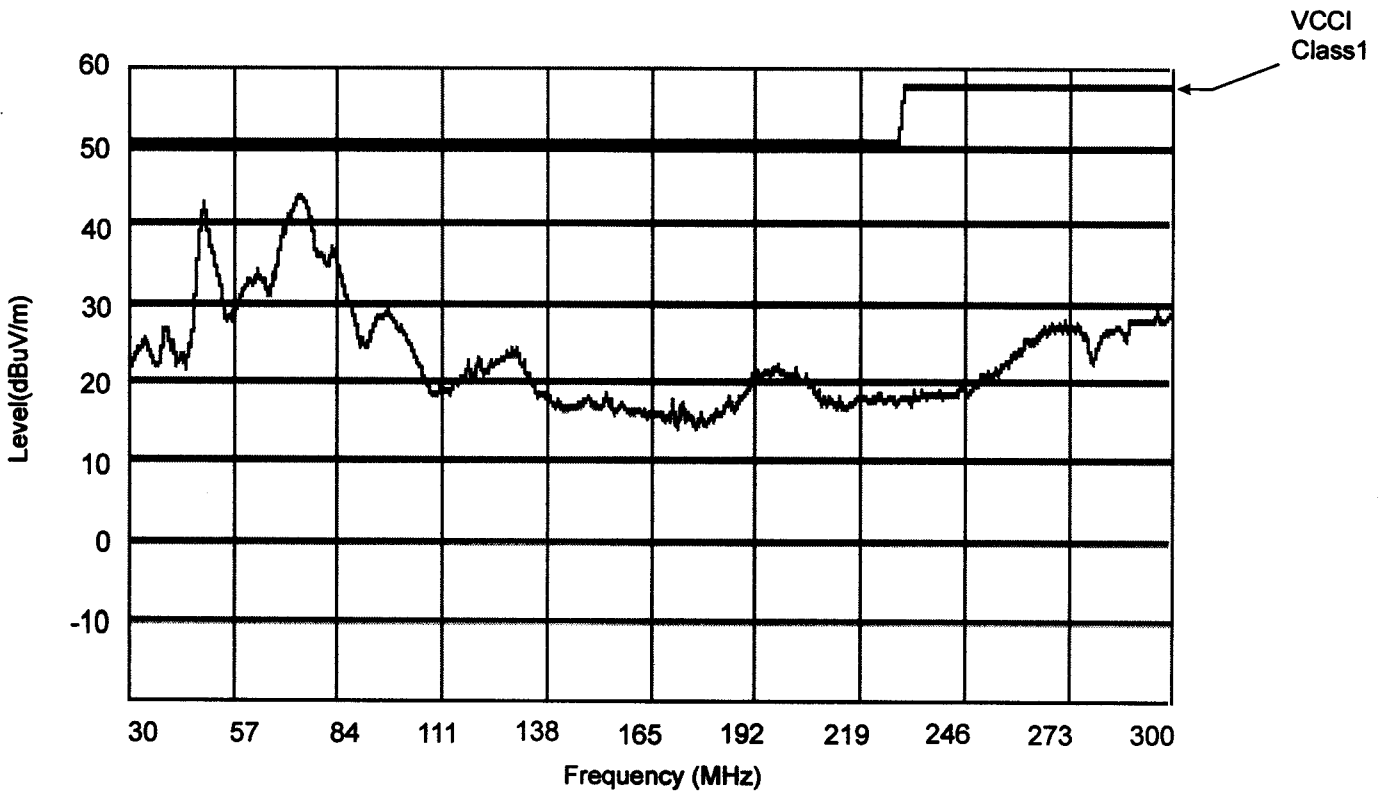
Conditions: Vin: 230VAC
Vout: 100%
Iout: 100%
Ta : 25°C

GEN100-7.5

Horizontal



Vertical



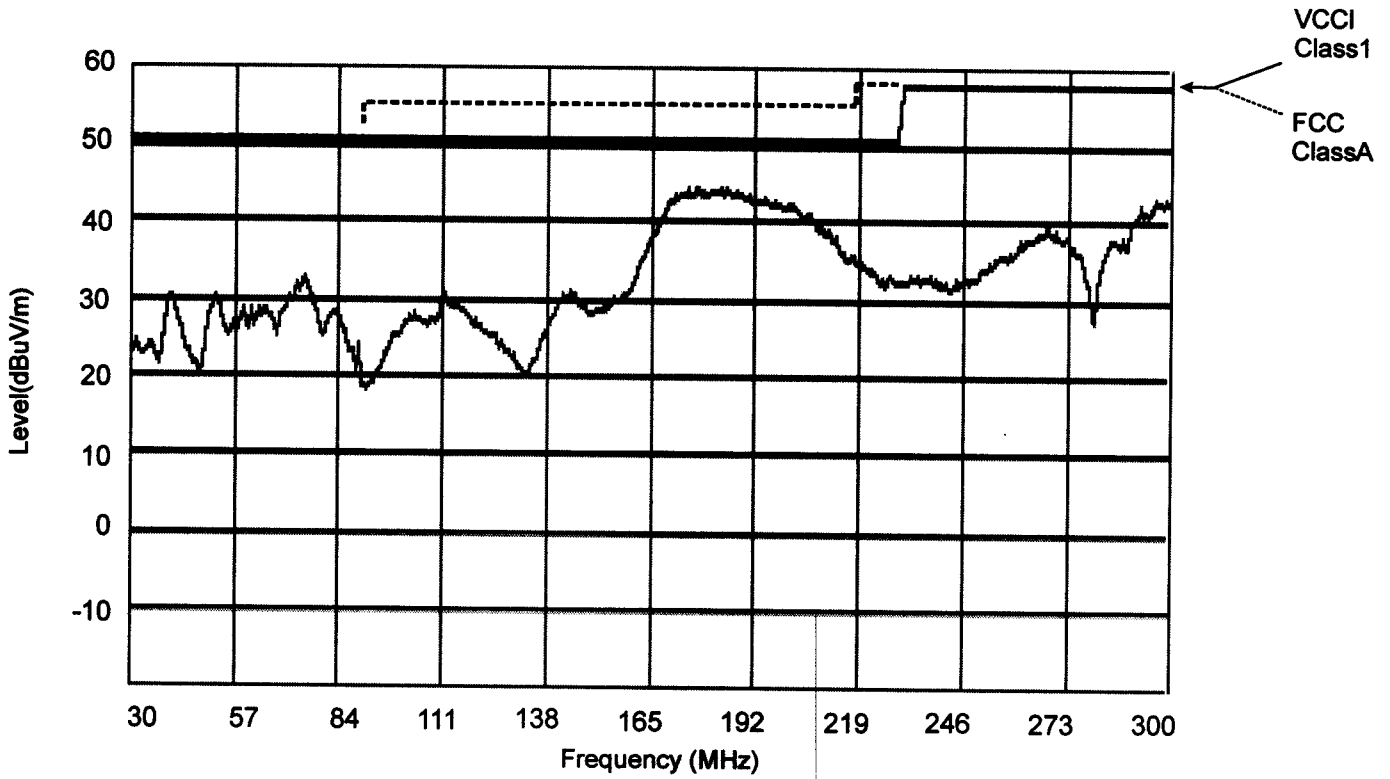
Limits of EN55022-A are same as its VCCI class 1

NEMIC-LAMBDA

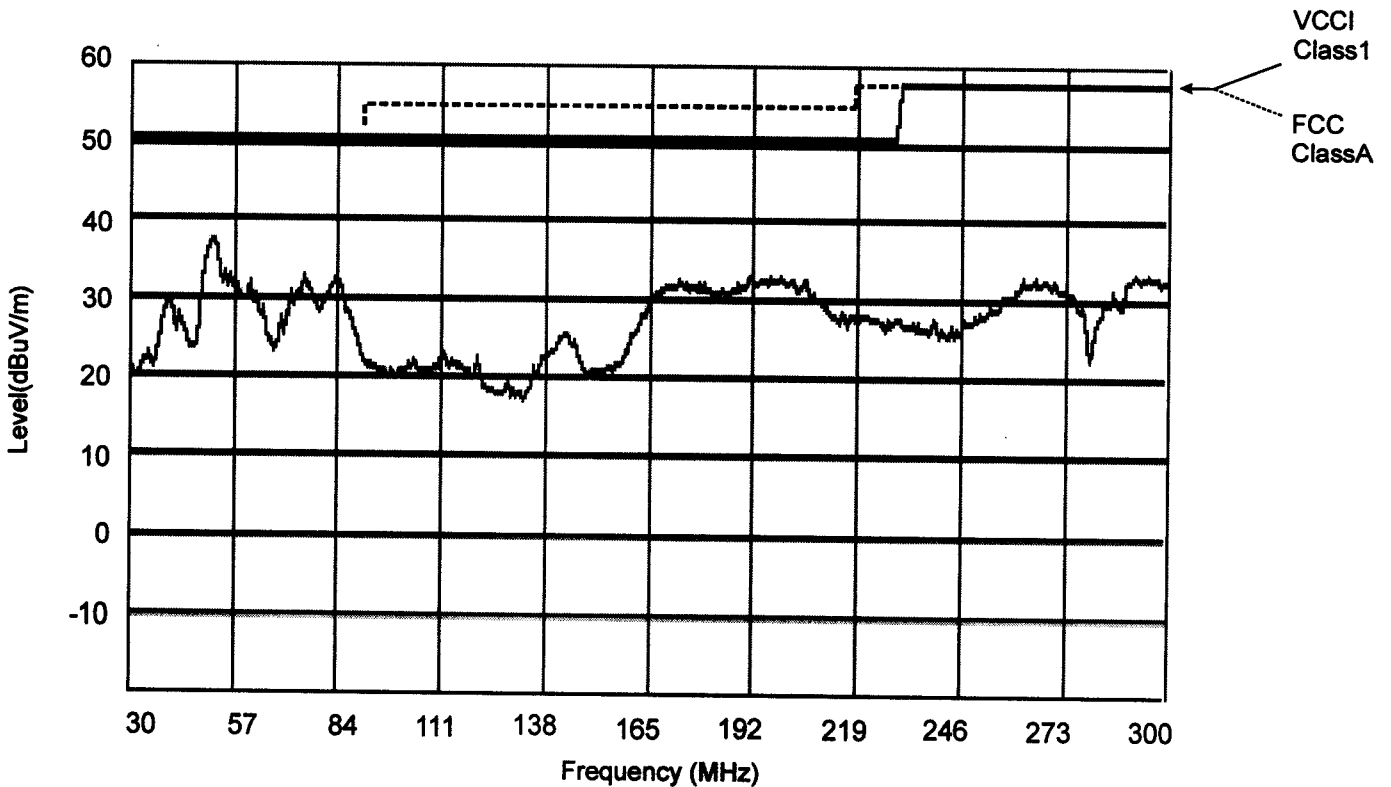
Conditions: Vin: 115VAC
Vout: 100%
Iout: 100%
Ta : 25°C

GEN600-1.3

Horizontal



Vertical



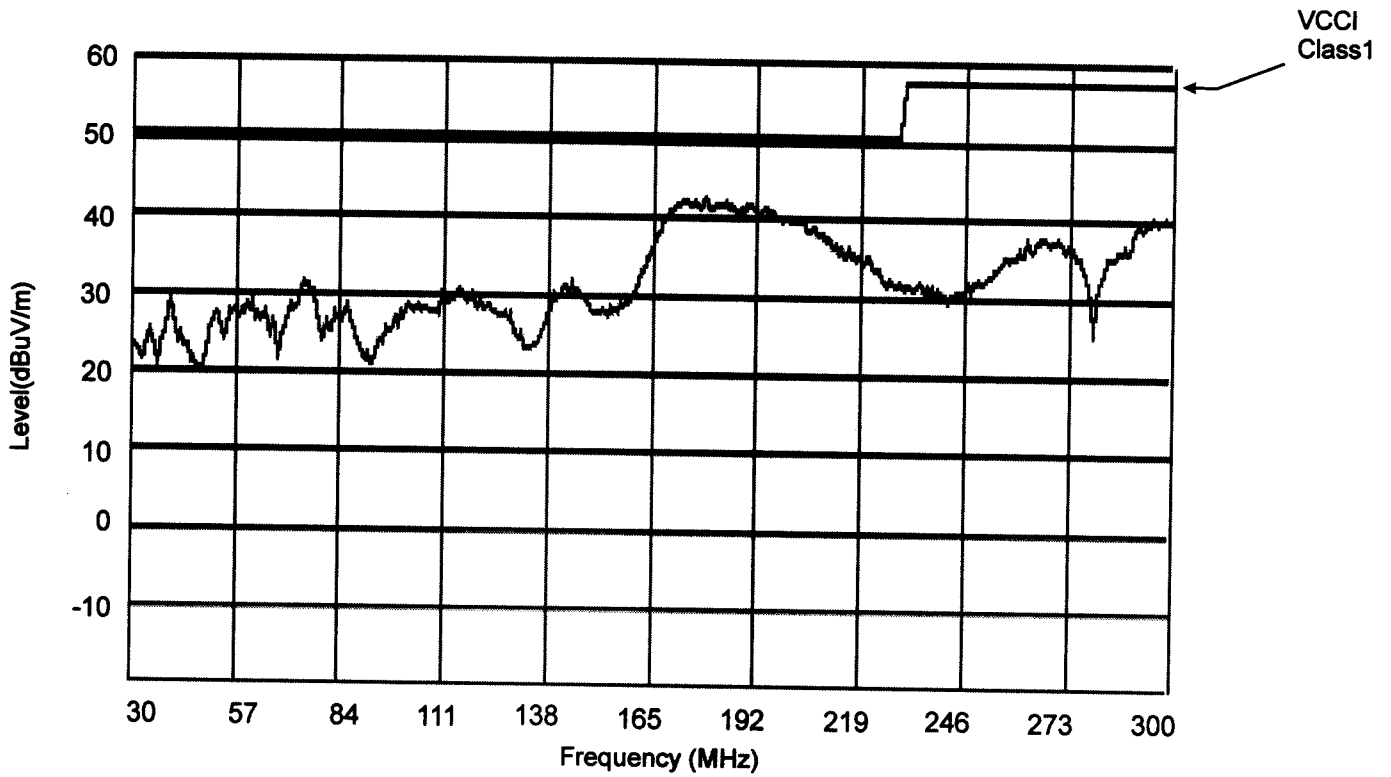
Limits of EN55022-A are same as its VCCI class 1

GEN750

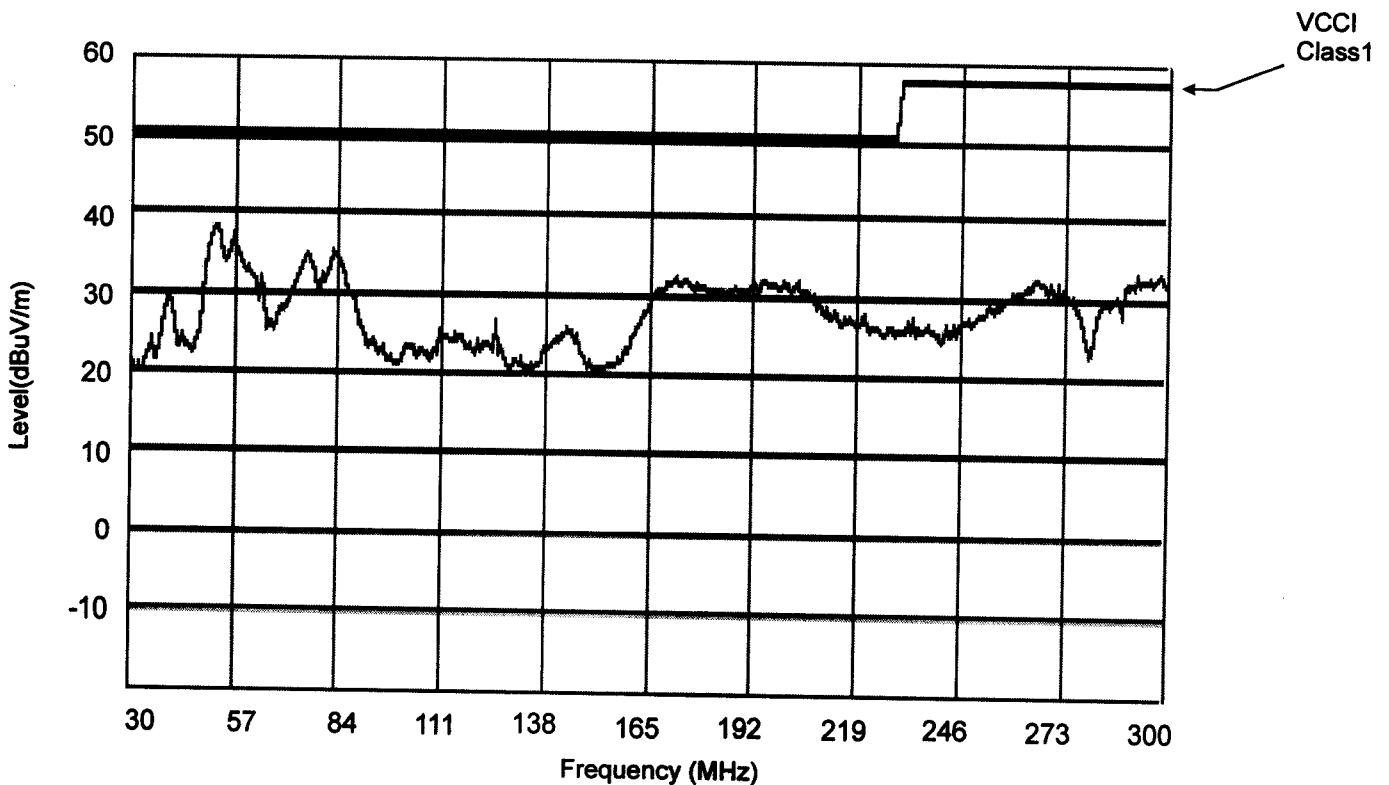
Conditions: Vin: 230VAC
Vout: 100%
Iout: 100%
Ta : 25°C

GEN600-1.3

Horizontal



Vertical



Limits of EN55022-A are same as its VCCI class 1

NEMIC-LAMBDA