COSEL

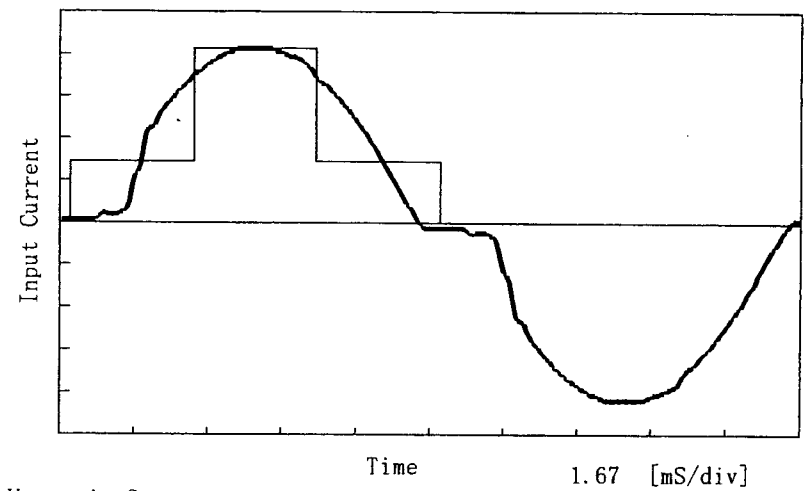
Model	LEP240F-48		
Item	Harmonic Current 高調波電流	Temperature Testing Circuitry	25℃ Figure E
Object	————		

1. Input Current Waveform

——— Input Current

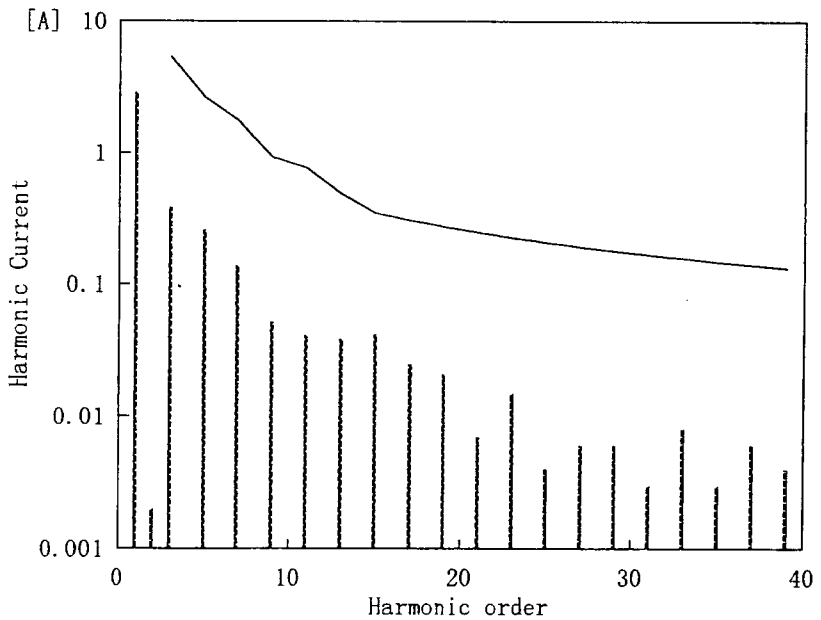
——— Envelope of the input current to classify equipment as Class D
ｸﾗｽDの機器を決定するための入力電流包絡線

1 A/div



Conditions	Values
Input Voltage [V]	99.2
Input Current [A]	2.942
Active Power [W]	287.4
Apparent Power[VA]	291.9
Frequency [Hz]	60
Power Factor	0.985
Output Power [W]	240

2. Harmonic Current



——— Harmonic Current
高調波電流

——— Limits for Class A equipment
ｸﾗｽAの機器に対する限度値

Harmonics order 高調波次数	Limits 限度値 [A]	Values 測定値 [A]
1	—	2.89900
2	—	0.00200
3	5.33266	0.38300
4	—	0.00100
5	2.64315	0.25900
6	—	0.00100
7	1.78528	0.13800
8	—	0.00100
9	0.92742	0.05200
10	—	0.00100
11	0.76512	0.04100
12	—	0.00100
13	0.48690	0.03900
14	—	0.00100
15	0.34778	0.04200
16	—	0.00000
17	0.30687	0.02500
18	—	0.00100
19	0.27456	0.02100
20	—	0.00100
21	0.24842	0.00700
22	—	0.00000
23	0.22681	0.01500
24	—	0.00100
25	0.20867	0.00400
26	—	0.00100
27	0.19321	0.00600
28	—	0.00100
29	0.17989	0.00600
30	—	0.00100
31	0.16828	0.00300
32	—	0.00100
33	0.15808	0.00800
34	—	0.00000
35	0.14905	0.00300
36	—	0.00000
37	0.14099	0.00600
38	—	0.00100
39	0.13376	0.00400
40	—	0.00000

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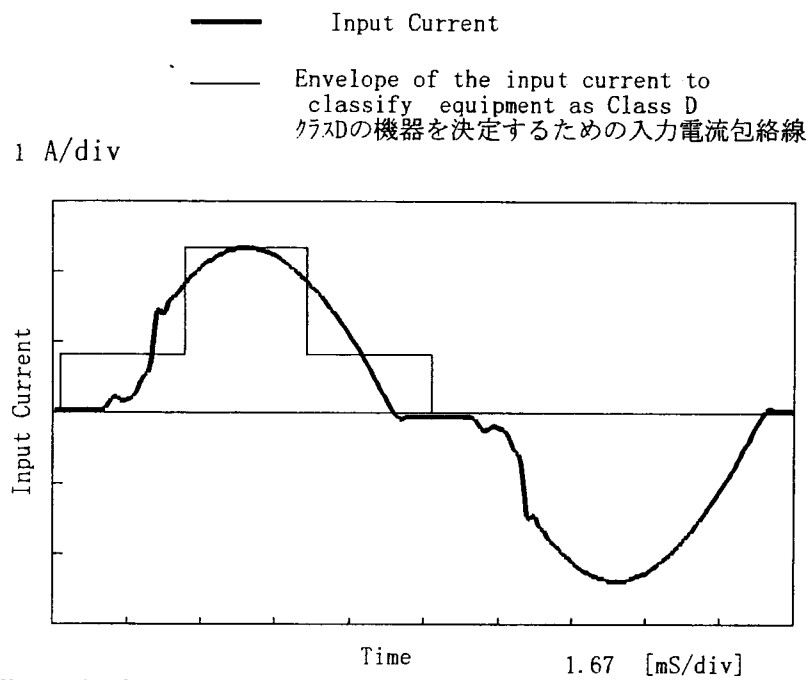
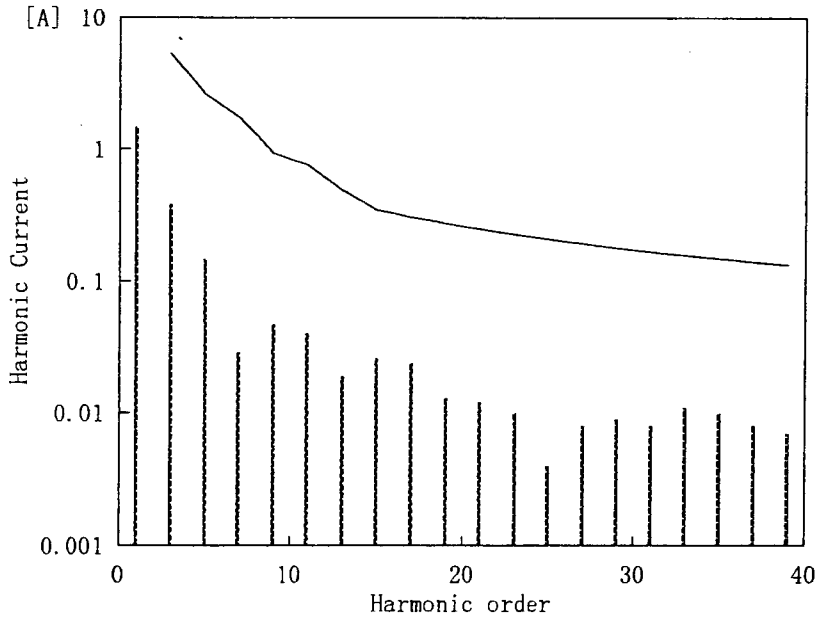
Model	LEP240F-48		
Item	Harmonic Current 高調波電流	Temperature Testing Circuitry	25℃ Figure E
Object	————		

1. Input Current Waveform



Conditions	Values
Input Voltage [V]	99.8
Input Current [A]	1.545
Active Power [W]	148.4
Apparent Power[VA]	154.3
Frequency [Hz]	60
Power Factor	0.962
Output Power [W]	120

2. Harmonic Current



Harmonics order 高調波次数	Limits 限度値 [A]	Values 測定値 [A]
1	—	1.48700
2	—	0.00100
3	5.30060	0.38100
4	—	0.00000
5	2.62725	0.14800
6	—	0.00000
7	1.77455	0.02900
8	—	0.00000
9	0.92184	0.04700
10	—	0.00000
11	0.76052	0.04000
12	—	0.00000
13	0.48397	0.01900
14	—	0.00000
15	0.34569	0.02600
16	—	0.00000
17	0.30502	0.02400
18	—	0.00000
19	0.27291	0.01300
20	—	0.00000
21	0.24692	0.01200
22	—	0.00000
23	0.22545	0.01000
24	—	0.00000
25	0.20741	0.00400
26	—	0.00000
27	0.19205	0.00800
28	—	0.00000
29	0.17881	0.00900
30	—	0.00000
31	0.16727	0.00800
32	—	0.00000
33	0.15713	0.01100
34	—	0.00000
35	0.14815	0.01000
36	—	0.00000
37	0.14015	0.00800
38	—	0.00000
39	0.13296	0.00700
40	—	0.00000

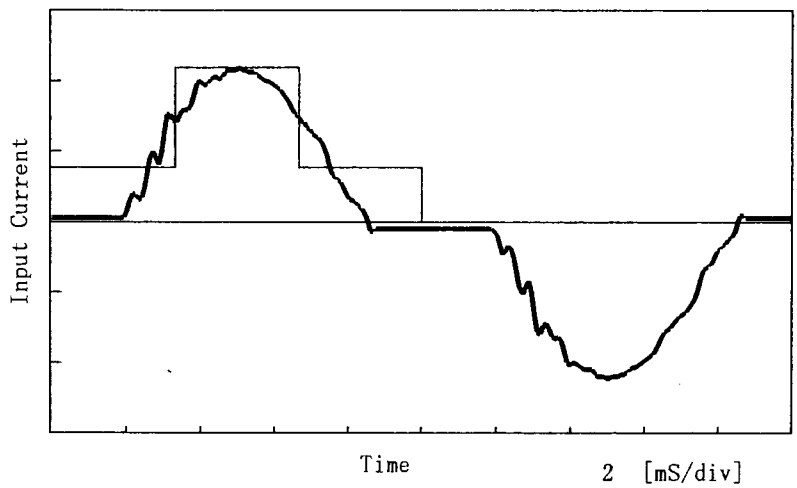
COSEL

Model	LEP240F-48		
Item	Harmonic Current 高調波電流	Temperature Testing Circuitry	25℃ Figure E
Object	————		

1. Input Current Waveform

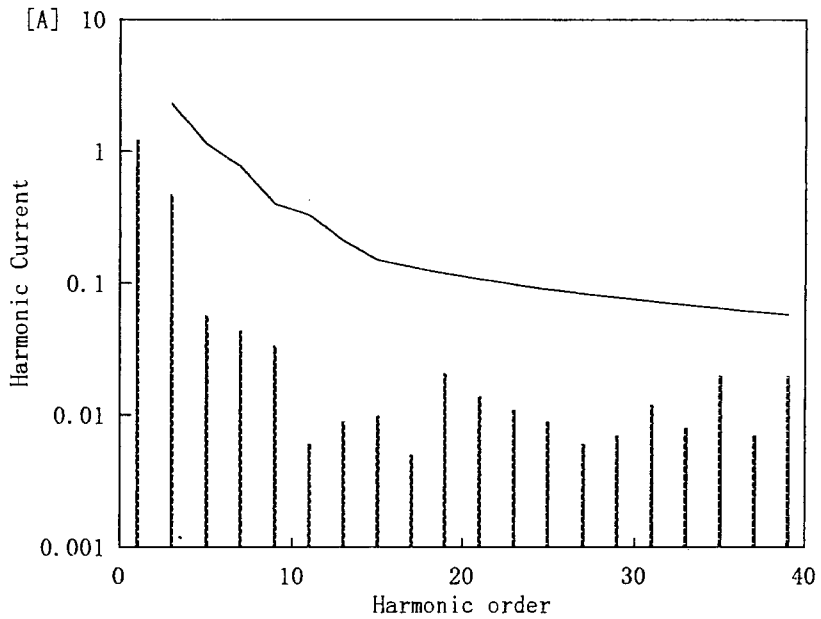
——— Input Current

——— 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



Conditions	Values
Input Voltage [V]	230.6
Input Current [A]	1.308
Active Power [W]	278.9
Apparent Power[VA]	301.7
Frequency [Hz]	50
Power Factor	0.924
Output Power [W]	240

2. Harmonic Current



——— Harmonic Current
高調波電流

——— Limits for Class A equipment
ｸﾗｽAの機器に対する限度値

Harmonics order 高調波次数	Limits 限度値 [A]	Values 測定値 [A]
1	—	1.21600
2	—	0.00100
3	2.29402	0.47100
4	—	0.00000
5	1.13703	0.05700
6	—	0.00000
7	0.76800	0.04400
8	—	0.00000
9	0.39896	0.03400
10	—	0.00000
11	0.32914	0.00600
12	—	0.00000
13	0.20945	0.00900
14	—	0.00000
15	0.14961	0.01000
16	—	0.00000
17	0.13201	0.00500
18	—	0.00000
19	0.11811	0.02100
20	—	0.00000
21	0.10686	0.01400
22	—	0.00000
23	0.09757	0.01100
24	—	0.00000
25	0.08977	0.00900
26	—	0.00000
27	0.08312	0.00600
28	—	0.00000
29	0.07738	0.00700
30	—	0.00000
31	0.07239	0.01200
32	—	0.00000
33	0.06800	0.00800
34	—	0.00000
35	0.06412	0.02000
36	—	0.00000
37	0.06065	0.00700
38	—	0.00000
39	0.05754	0.02000
40	—	0.00000

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COSEL

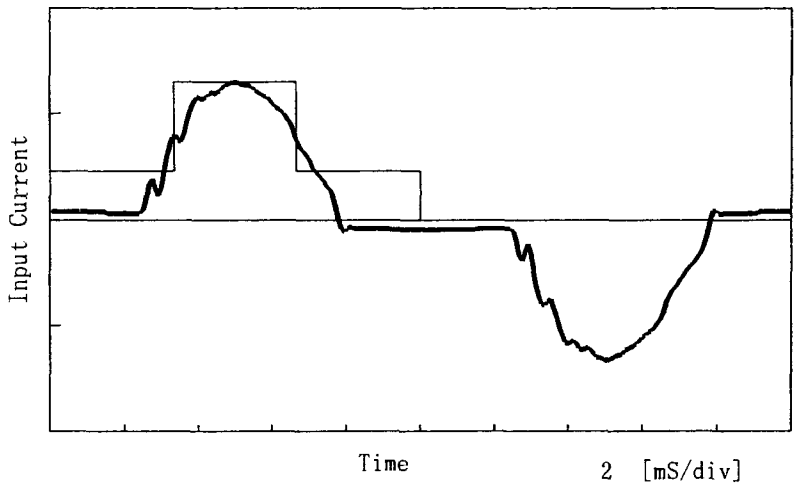
Model	LEP240F-48
Item	Harmonic Current 高調波電流
Object	————

Temperature 25℃
Testing Circuitry Figure E

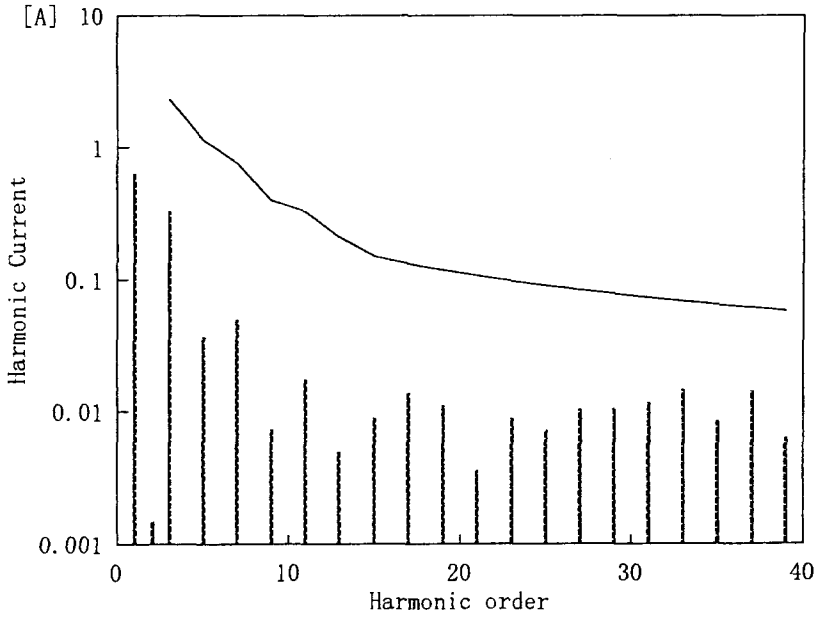
1. Input Current Waveform

——— 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



2. Harmonic Current



——— Harmonic Current
高調波電流

——— Limits for Class A equipment
ｸﾗｽAの機器に対する限度値

Conditions	Values
Input Voltage [V]	230.9
Input Current [A]	0.724
Active Power [W]	145.8
Apparent Power[VA]	167.3
Frequency [Hz]	50
Power Factor	0.871
Output Power [W]	120

Harmonics order 高調波次数	Limits 限度値 [A]	Values 測定値 [A]
1	—	0.63850
2	—	0.00150
3	2.29104	0.33250
4	—	0.00010
5	1.13556	0.03700
6	—	0.00030
7	0.76700	0.05020
8	—	0.00030
9	0.39844	0.00730
10	—	0.00030
11	0.32871	0.01760
12	—	0.00000
13	0.20918	0.00500
14	—	0.00030
15	0.14942	0.00900
16	—	0.00010
17	0.13184	0.01390
18	—	0.00000
19	0.11796	0.01110
20	—	0.00010
21	0.10673	0.00360
22	—	0.00030
23	0.09744	0.00900
24	—	0.00040
25	0.08965	0.00720
26	—	0.00010
27	0.08301	0.01040
28	—	0.00010
29	0.07728	0.01040
30	—	0.00040
31	0.07230	0.01160
32	—	0.00000
33	0.06792	0.01460
34	—	0.00010
35	0.06404	0.00840
36	—	0.00010
37	0.06057	0.01430
38	—	0.00000
39	0.05747	0.00630
40	—	0.00030

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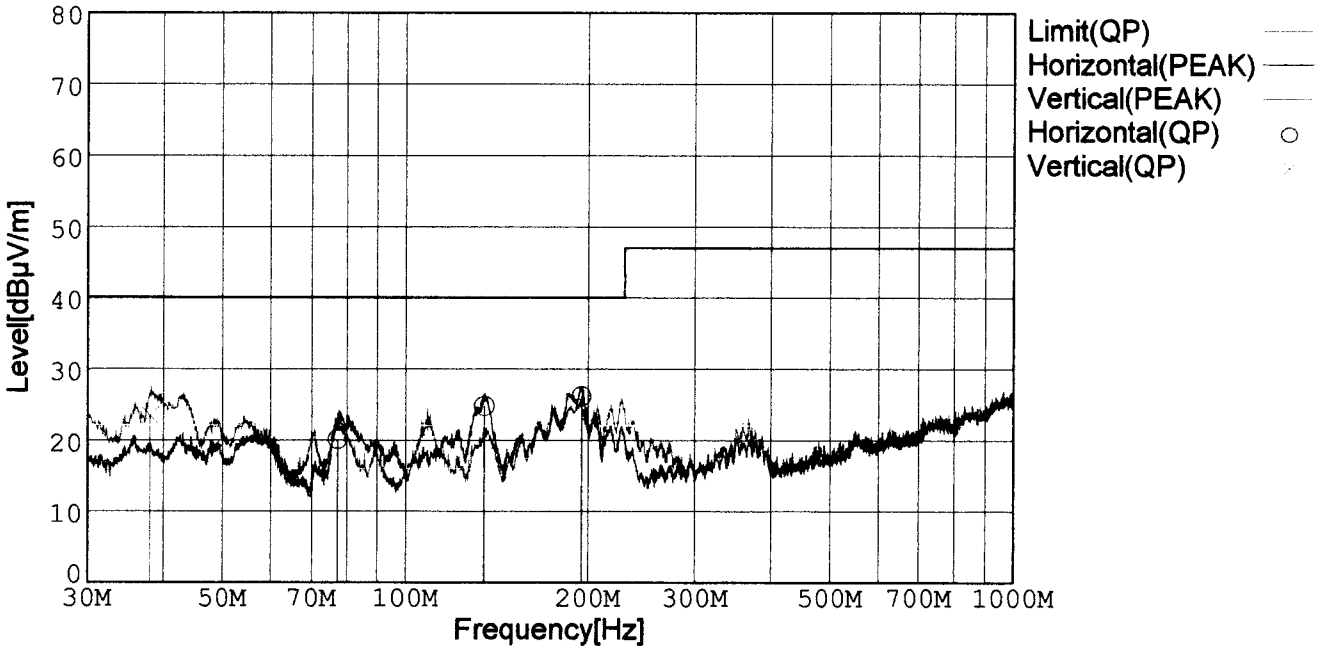
参考資料

COSEL

RADIATED EMISSION

Model Name	: LEP240F-48	Power Supply	: 230V(1Phase) 50Hz
Model No.	: -	Temp.	: 25deg C
Serial No.	: -	Humi.	: 45%
Points	: 4	Date	: 2002/9/10 0:22
Detector	: PEAK/QP	Test Equip.	: R3132,ESPC
Polarization	: Hori. & Vert.	Comment	: Load100%(+48V 5A)

Limit: [EN 55022] Class B<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]
77.335	45.1	BL	6.7	-31.7	20.1	351	132	Hori.	40.0	19.9
134.778	45.2	BL	11.0	-31.4	24.8	352	144	Hori.	40.0	15.2
195.439	48.9	BL	8.4	-31.2	26.1	145	156	Hori.	40.0	13.9
38.091	41.3	BL	14.1	-32.0	23.4	157	101	Vert.	40.0	16.6

BL: Biconi-Log

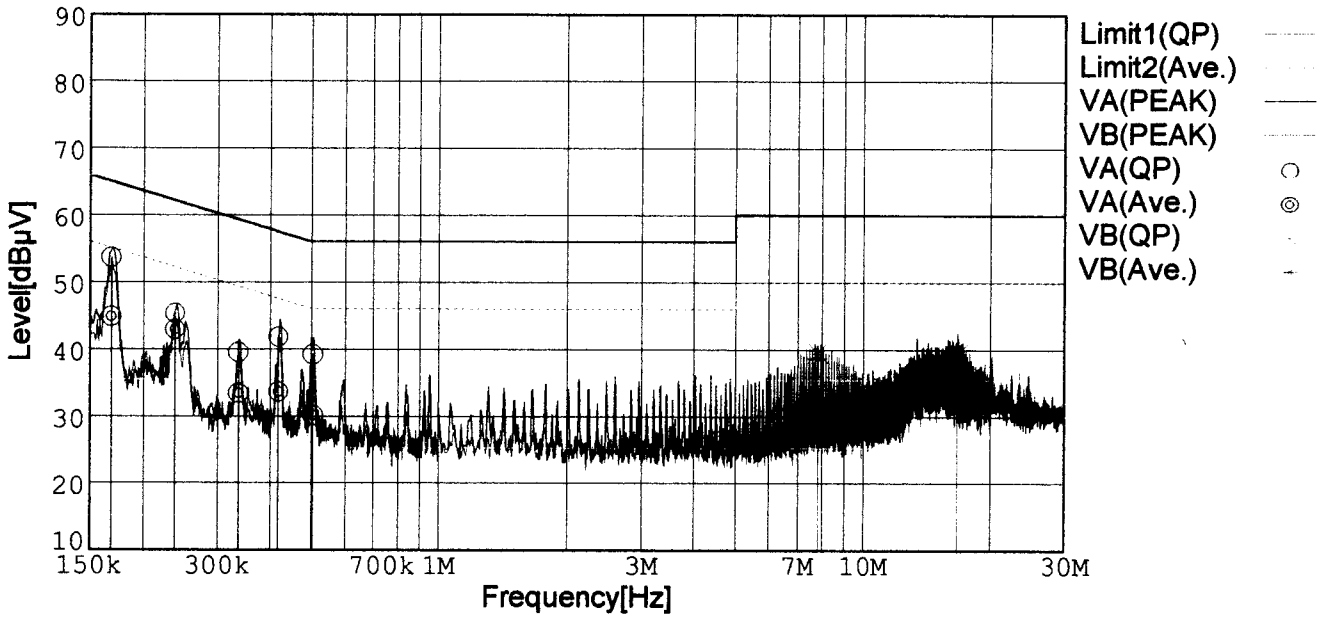
参考資料

COSEL

LINE CONDUCTION

Model Name : LEP240F-48
Model No. : -
Serial No. : -
Points : 7
Detector : PEAK/QP/Ave.
Line Mode : VA/VB
Limit1: [EN 55022] Class B(QP)
Limit2: [EN 55022] Class B(Ave.)

Power Supply : 230V(1Phase) 50Hz
Temp. : 25deg C
Humi. : 45%
Date : 2002/9/11 1:05
Test Equip. : R3132,ESPC
Comment : Load100%(+48V 5A)



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]
0.1686	43.6	34.8	10.0	53.6	44.8	VA	65.0	55.0	11.4	10.2
0.2383	35.3	32.9	10.0	45.3	42.9	VA	62.2	52.2	16.9	9.3
0.3365	29.5	23.4	10.0	39.5	33.4	VA	59.3	49.3	19.8	15.9
0.4188	31.6	23.5	10.1	41.7	33.6	VA	57.5	47.5	15.8	13.9
0.5051	29.0	20.0	10.1	39.1	30.1	VA	56.0	46.0	16.9	15.9
7.8281	29.1	28.3	10.4	39.5	38.7	VB	60.0	50.0	20.5	11.3
16.7223	28.6	25.6	10.7	39.3	36.3	VB	60.0	50.0	20.7	13.7