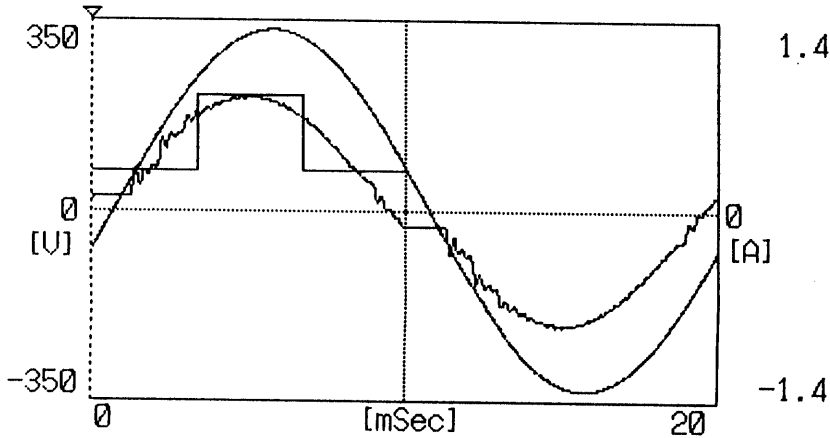


# COSEL

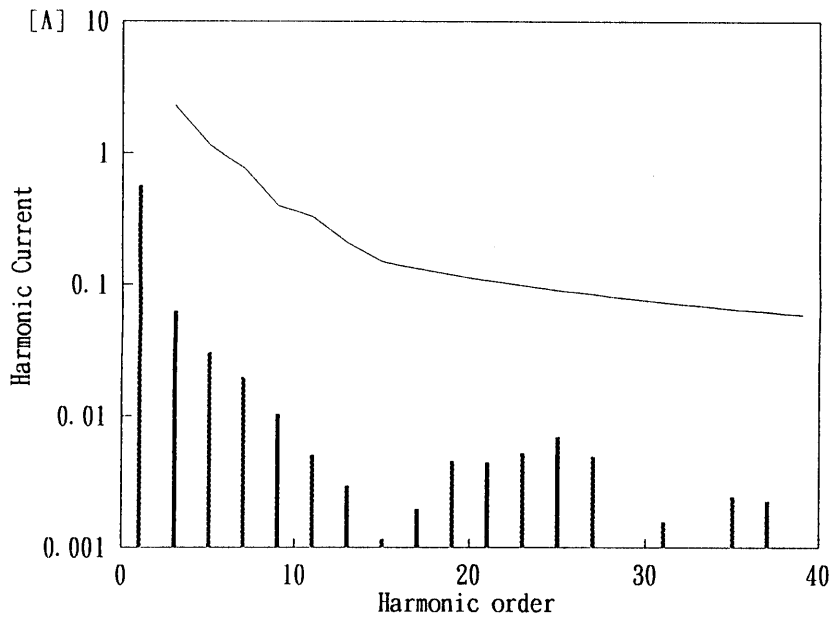
Model	PAA100F-5	Temperature	25°C
Item	Harmonic Current 高調波電流	Testing Circuitry	Figure E
Object	_____		

1. Input Current Waveform



Conditions	Values
Input Voltage [V]	230.8
Input Current [A]	0.57
Active Power [W]	126.8
Apparent Power [VA]	131.1
Frequency [Hz]	50
Power Factor	0.967
Output Power [W]	100

2. Harmonic Current



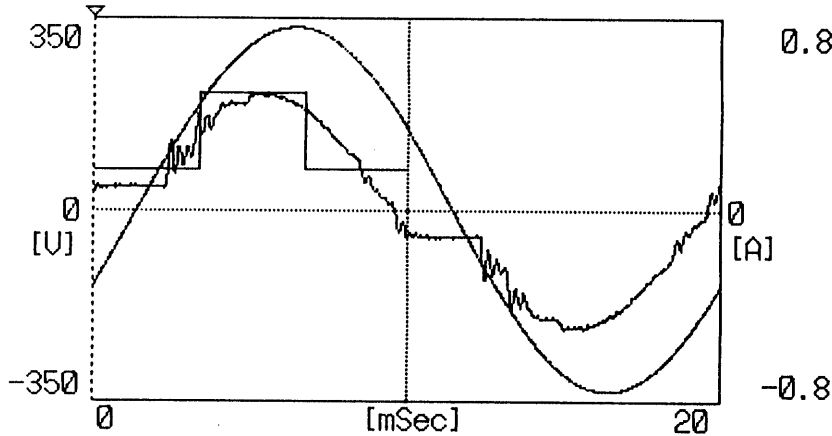
— Harmonic Current  
 高調波電流  
 — Limits for Class A equipment of odd harmonics  
 クラスAの機器に対する高調波奇数次限度値

Harmonics order 高調波次数	Limits 限度値 [A]	Values 測定値 [A]
1	—	0.56837
2	—	0.00015
3	2.30000	0.06253
4	—	0.00001
5	1.14000	0.03072
6	—	0.00009
7	0.77000	0.01968
8	—	0.00004
9	0.40000	0.01028
10	—	0.00004
11	0.33000	0.00500
12	—	0.00005
13	0.21000	0.00294
14	—	0.00001
15	0.15000	0.00115
16	—	0.00002
17	0.13235	0.00196
18	—	0.00004
19	0.11842	0.00453
20	—	0.00002
21	0.10714	0.00443
22	—	0.00002
23	0.09783	0.00517
24	—	0.00003
25	0.09000	0.00692
26	—	0.00003
27	0.08333	0.00491
28	—	0.00003
29	0.07759	0.00086
30	—	0.00004
31	0.07258	0.00157
32	—	0.00002
33	0.06818	0.00057
34	—	0.00003
35	0.06429	0.00243
36	—	0.00002
37	0.06081	0.00226
38	—	0.00002
39	0.05769	0.00092
40	—	0.00002



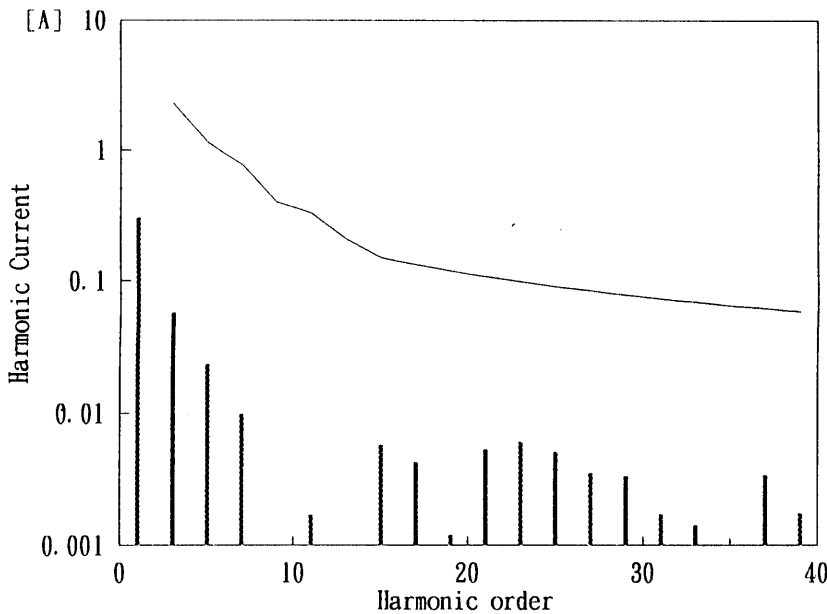
Model	PAA100F-5	Temperature	25°C
Item	Harmonic Current 高調波電流	Testing Circuitry	Figure E
Object			

1. Input Current Waveform



Conditions	Values
Input Voltage [V]	231.2
Input Current [A]	0.31
Active Power [W]	64.8
Apparent Power [VA]	71.3
Frequency [Hz]	50
Power Factor	0.909
Output Power [W]	50

2. Harmonic Current



Harmonic Current  
 高調波電流  
 Limits for Class A equipment of odd harmonics  
 クラスAの機器に対する高調波奇数次限度値

Harmonics order 高調波次数	Limits 限度値 [A]	Values 測定値 [A]
1	—	0.30425
2	—	0.00005
3	2.30000	0.05726
4	—	0.00002
5	1.14000	0.02366
6	—	0.00008
7	0.77000	0.00983
8	—	0.00003
9	0.40000	0.00047
10	—	0.00003
11	0.33000	0.00170
12	—	0.00005
13	0.21000	0.00076
14	—	0.00001
15	0.15000	0.00572
16	—	0.00002
17	0.13235	0.00422
18	—	0.00005
19	0.11842	0.00119
20	—	0.00001
21	0.10714	0.00530
22	—	0.00002
23	0.09783	0.00610
24	—	0.00002
25	0.09000	0.00508
26	—	0.00002
27	0.08333	0.00352
28	—	0.00002
29	0.07759	0.00332
30	—	0.00003
31	0.07258	0.00171
32	—	0.00002
33	0.06818	0.00141
34	—	0.00003
35	0.06429	0.00047
36	—	0.00002
37	0.06081	0.00338
38	—	0.00002
39	0.05769	0.00175
40	—	0.00003

\*\*\*\*\*<I P S Corporation>\*\*\*\*\*  
<<< RADIATED EMISSION >>>

4 July, 1996 12:11  
Page 1

Model : COSEL PAA100F-5  
Serial No. : 4  
Standard : EN55022 Class B  
Condition File : EN55022B  
Condition :  
Remarks : EUT NAME : Power Supply  
:  
: FILE No. : 003  
AC Power : 230 V 50 Hz  
Temperature : 27 deg.  
Humidity : 50 %  
Operator : Y.NAGAHARA



\*\*\*\*\*  
----- Final Result -----

- Horizontal Polarization -

No.	Frequency [MHz]	Reading [dBuV]	c.f. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]
1	72.704	31.5	-15.2	16.3	30.0	13.7
2	85.967	25.5	-13.5	12.0	30.0	18.0
3	114.385	27.9	-9.3	18.6	30.0	11.4
4	124.340	31.3	-8.9	22.4	30.0	7.6
5	139.247	26.1	-8.7	17.4	30.0	12.6
6	156.437	23.0	-9.0	14.0	30.0	16.0

- Vertical Polarization -

No.	Frequency [MHz]	Reading [dBuV]	c.f. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]
7	40.788	28.6	-10.1	18.5	30.0	11.5
8	45.563	31.2	-12.8	18.4	30.0	11.6
9	72.189	38.7	-15.2	23.5	30.0	6.5
10	85.448	31.2	-13.6	17.6	30.0	12.4
11	113.308	30.0	-9.4	20.6	30.0	9.4
12	122.058	31.2	-8.9	22.3	30.0	7.7
13	137.778	25.0	-8.7	16.3	30.0	13.7

<I P S Corporation>

<<< RADIATED EMISSION >>>

Date/Time : 4 July, 1996 12:11

I P S EMC SITE

Model : COSEL PAA100F-5

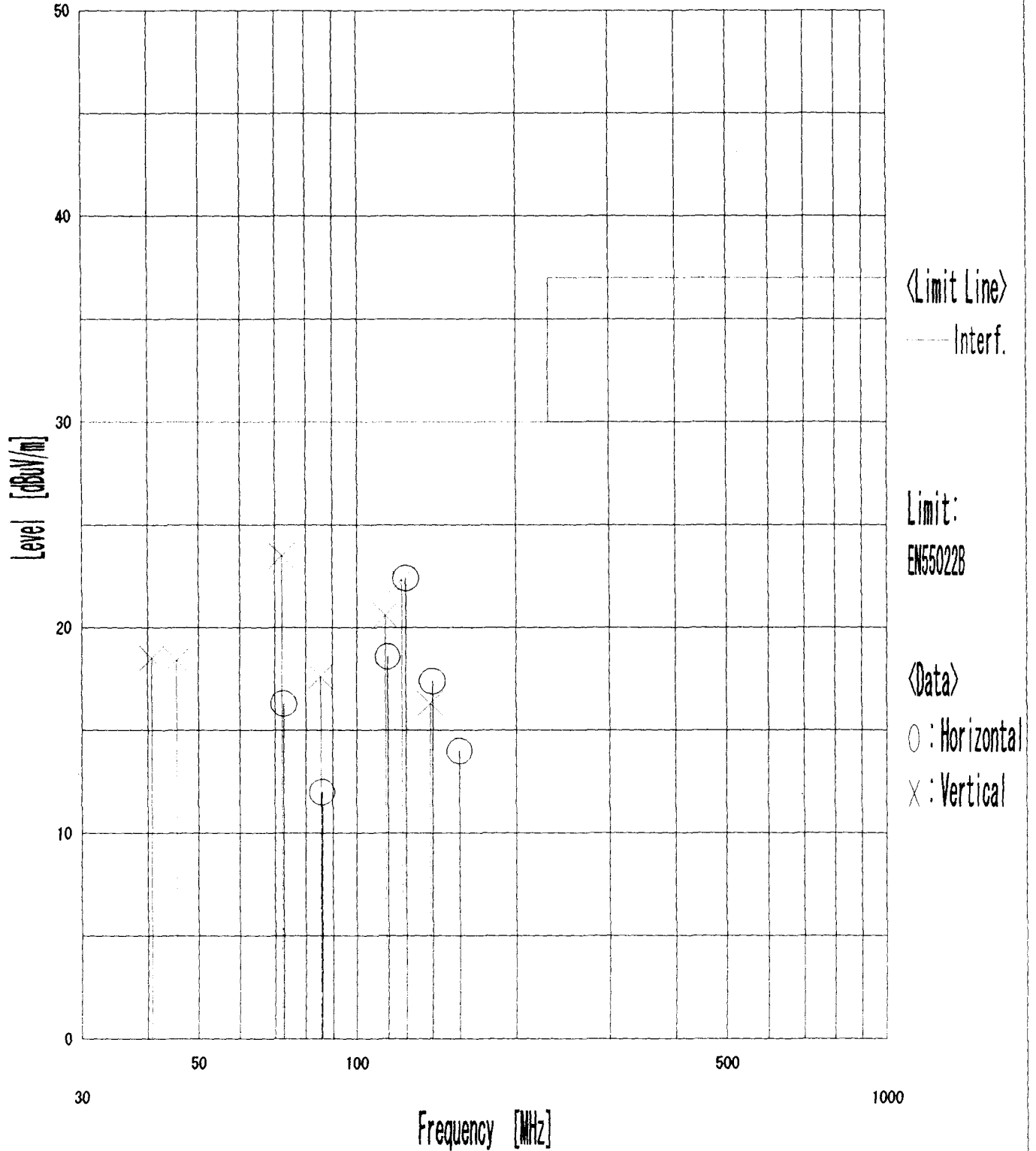
Standard : EN55022 Class B

Serial No. : 4

Operator : Y. NAGAHARA

Remarks : EUT NAME : Power Supply

FILE No. : 003



\*\*\*\*\* <I P S Corporation> \*\*\*\*\*  
 <<< CONDUCTED EMISSION >>>

2 July, 1996 16:40  
 Page 1

Model : COSEL PAA100F-5  
 Serial No. : 4  
 Standard : EN55022 Class B  
 Condition File : EN55022B  
 Remark : EUT NAME : Power Supply  
 :  
 : FILE No. : 003  
 AC Power : 230 V 50 Hz  
 Temperature : 26 deg.  
 Humidity : 58 %  
 Operator : Y.NAGAHARA



\*\*\*\*\*

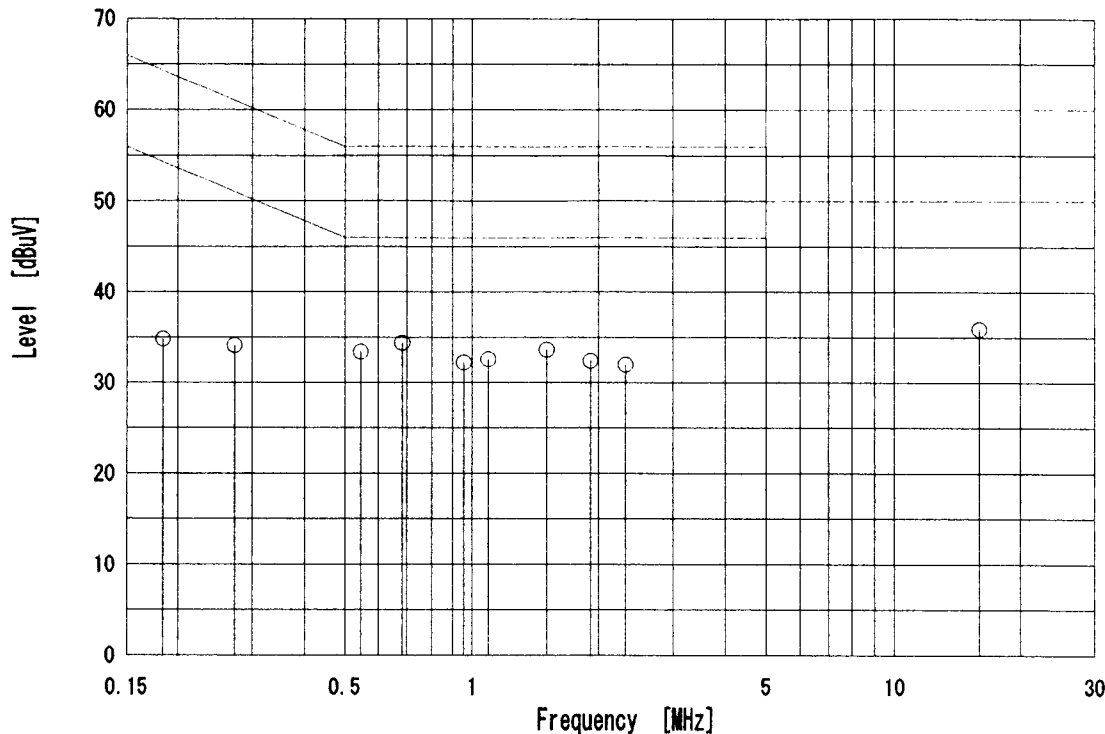
----- Results -----										
No.	Frequency [MHz]	Reading		c.f. [dB]	Result		Limit		Margin	
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]
Phase N										
1	0.18430	24.8		10.0	34.8		64.3	54.3	29.5	
2	0.27260	24.1		10.0	34.1		61.0	51.0	26.9	
3	0.54550	23.4		10.0	33.4		56.0	46.0	22.6	
4	0.68230	24.4		10.0	34.4		56.0	46.0	21.6	
5	0.95510	22.2		10.0	32.2		56.0	46.0	23.8	
6	1.09190	22.6		10.0	32.6		56.0	46.0	23.4	
7	1.50290	23.6		10.0	33.6		56.0	46.0	22.4	
8	1.91260	22.4		10.0	32.4		56.0	46.0	23.6	
9	2.32190	22.0		10.0	32.0		56.0	46.0	24.0	
10	15.99060	25.9		10.0	35.9		60.0	50.0	24.1	
Phase L1										
1	0.18380	27.2		10.0	37.2		64.3	54.3	27.1	
2	0.27320	25.7		10.0	35.7		61.0	51.0	25.3	
3	0.54610	22.3		10.0	32.3		56.0	46.0	23.7	
4	0.68170	23.3		10.0	33.3		56.0	46.0	22.7	
5	0.95550	22.0		10.0	32.0		56.0	46.0	24.0	
6	1.09250	21.8		10.0	31.8		56.0	46.0	24.2	
7	1.50200	23.5		10.0	33.5		56.0	46.0	22.5	
8	1.91220	22.4		10.0	32.4		56.0	46.0	23.6	
9	2.32270	22.3		10.0	32.3		56.0	46.0	23.7	
10	15.98990	26.2		10.0	36.2		60.0	50.0	23.8	

I P S EMC SITE

Model : COSEL PAA100F-5  
 Serial No. : 4  
 Remarks : EUT NAME : Power Supply

Standard : EN55022 Class B  
 Operator : Y. NAGAHARA

FILE No. : 003



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 - - - - AV

Limit :  
 EN55022B

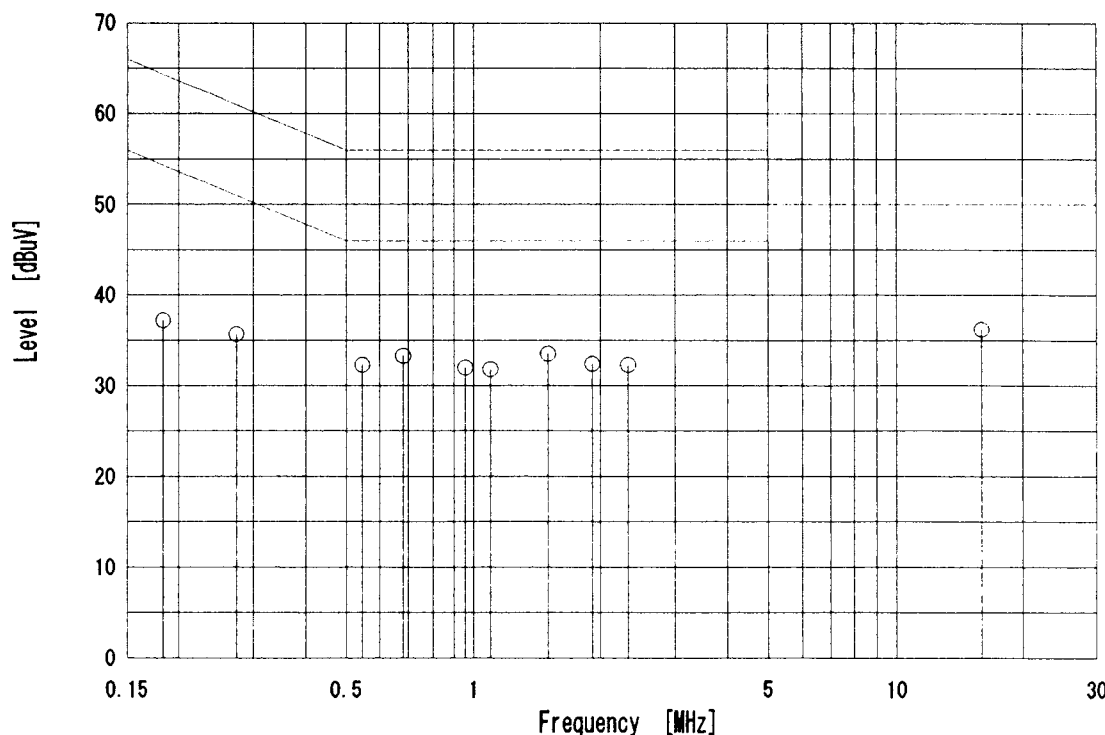
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 N  
 ○ QP  
 ◇ AV

<I P S Corporation>  
 I P S EMC SITE

Model : COSEL PAA100F-5  
 Serial No. : 4  
 Remarks : EUT NAME : Power Supply

Standard : EN55022 Class B  
 Operator : Y. NAGAHARA

FILE No. : 003



<Limit Line>  
 ..... QP  
 - - - - AV

Limit :  
 EN55022B

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 Line Phase  
 L1  
 ○ QP  
 ◇ AV