

Results

Radiated Disturbance Measurements

E.U.T.

Category : IMAGE MEMORY CARD READER
 Model name : DPC-R1
 Serial number : 00003

Test Specification

Applied standard:
 FCC Part 15, Subpart B
 Class B

Operating mode of E.U.T. during the test

Operating

Remarks

None

Applied power : AC 120V 60Hz #
 Single phase 3- wire

Test Condition

Date : June 28, 2002
 Open site : Site No.1
 Distance : 3m
 Detection : Q.P.
 Temp./Humi. : 20.0°C, 84 %
 Tested by : T. Sukegawa

Polarization : Vertical

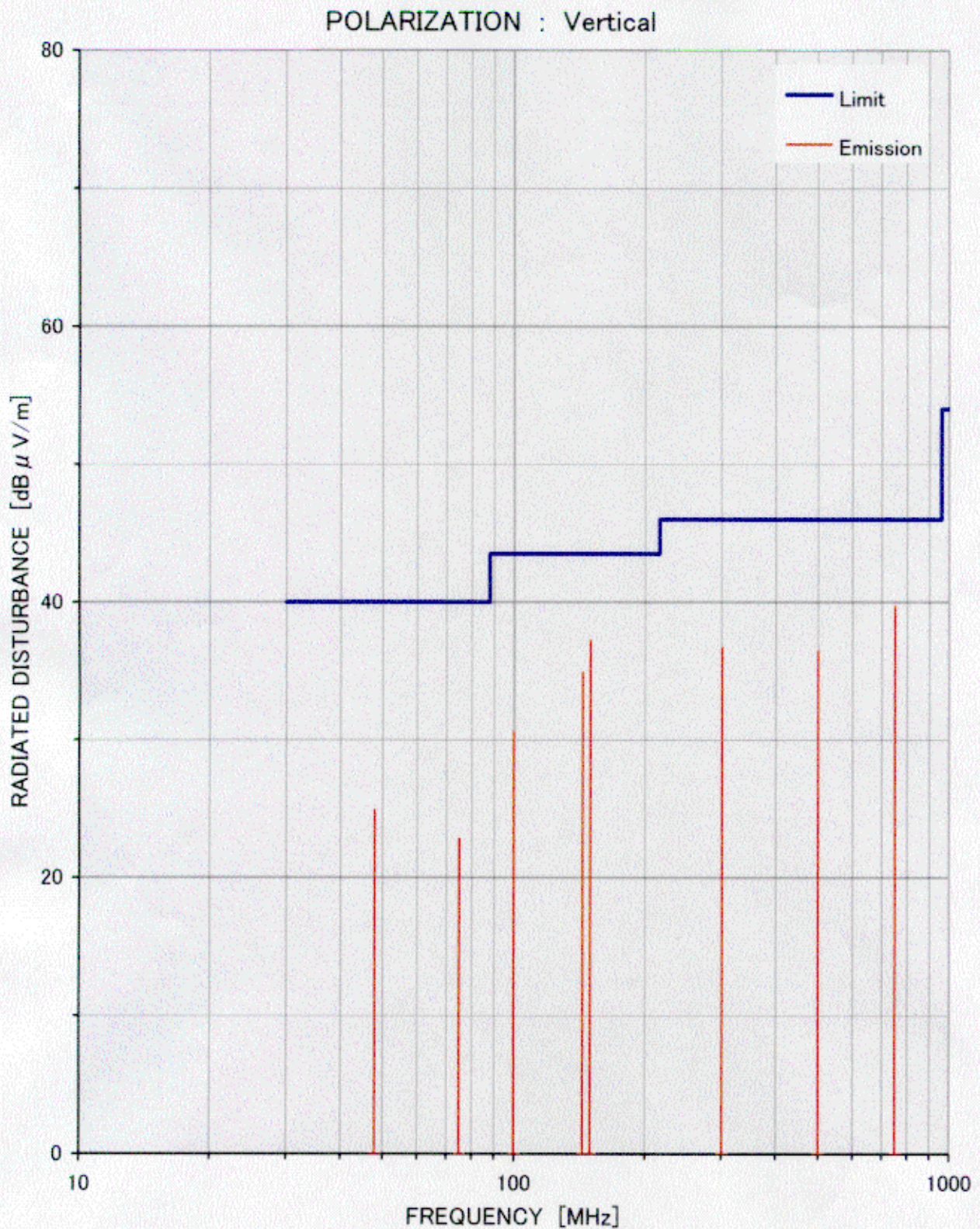
DATA No. 1 (Refer to Graph 1)

Freq. (MHz)	Reading (dB μ V)	Cor. F. (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
48.00	38.5	-13.6	24.9	40.0	15.1
75.03	41.5	-18.7	22.8	40.0	17.2
100.04	45.2	-14.6	30.6	43.5	12.9
144.04	45.1	-10.2	34.9	43.5	8.6
150.00	47.2	-10.0	37.2	43.5	6.3
301.47	46.4	-9.7	36.7	46.0	9.3
501.09	41.2	-4.7	36.5	46.0	9.5
751.65	38.9	0.8	39.7	46.0	6.3 †

Remarks

- Formula : Result = Reading + Cor.F.
Margin = Limit - Result
- The correction factor (Cor.F.) includes the antenna factor, cable loss and pre-amplifier gain.
- # : EUT is supplied with DC 5V from PC.
- † : Radiated disturbance is perhaps from the monitor.

Graph 1



Radiated Disturbance Measurements

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 Tested by : T. Sukegawa

Remarks

None

Polarization : Horizontal

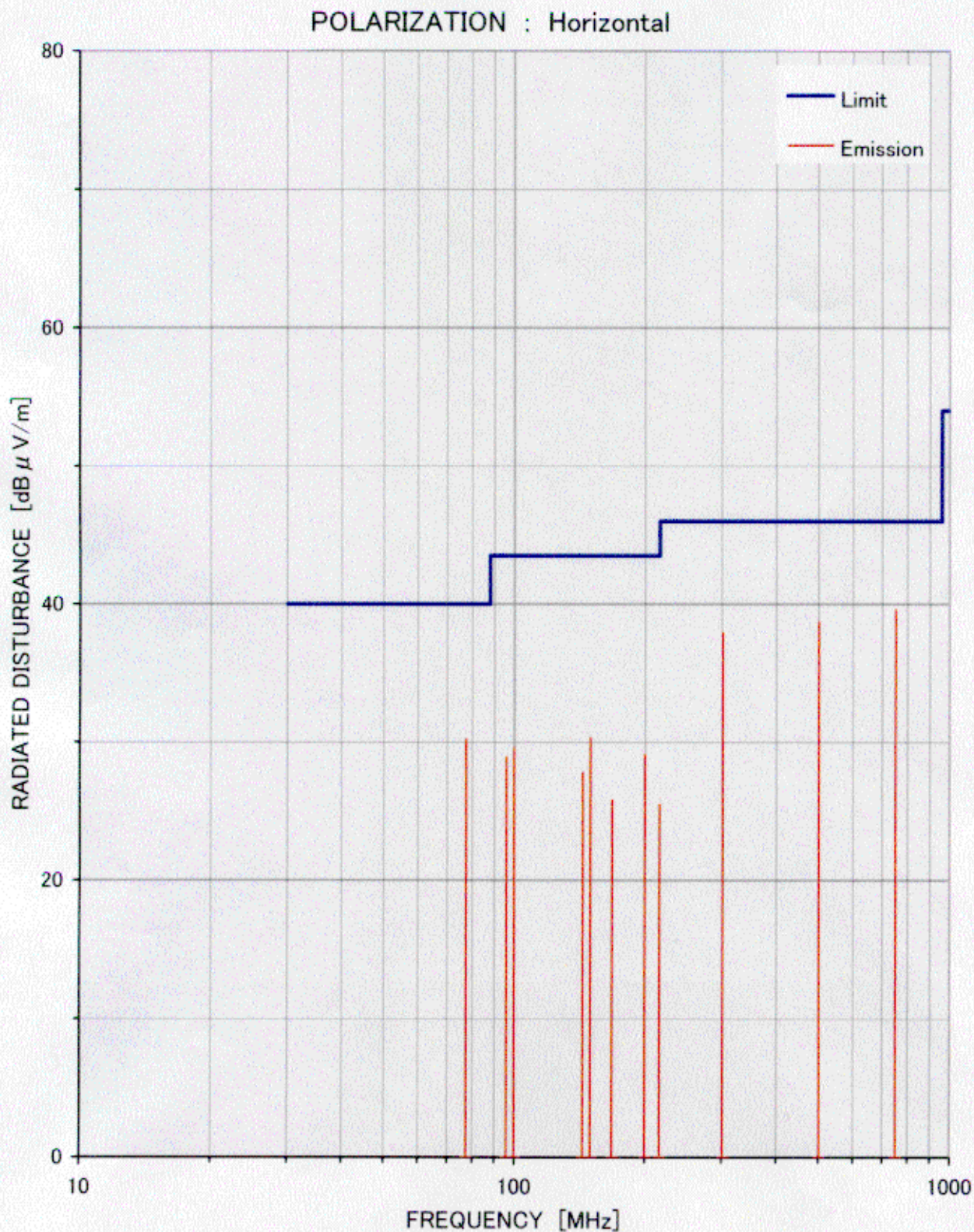
DATA No. 2 (Refer to Graph 2)

Freq. (MHz)	Reading (dB μ V)	Cor. F. (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
77.52	48.9	-18.7	30.2	40.0	9.8
96.02	44.5	-15.6	28.9	43.5	14.6
100.03	44.2	-14.6	29.6	43.5	13.9
144.03	38.0	-10.2	27.8	43.5	15.7
150.01	40.3	-10.0	30.3	43.5	13.2
168.00	35.2	-9.4	25.8	43.5	17.7
200.02	36.7	-7.6	29.1	43.5	14.4
216.00	32.8	-7.3	25.5	43.5	18.0
301.48	47.6	-9.7	37.9	46.0	8.1
501.20	43.4	-4.7	38.7	46.0	7.3
751.65	38.8	0.8	39.6	46.0	6.4 †

Remarks

- Formula : Result = Reading + Cor.F.
Margin = Limit - Result
- The correction factor (Cor.F.) includes the antenna factor, cable loss and pre-amplifier gain.
- # : EUT is supplied with DC 5V from PC.
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Graph 2



Conducted Disturbance Measurements

E.U.T.

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 Serial number : 00003

Test Specification

Applied standard :
 FCC Part 15, Subpart B
 Class B

Applied power : AC 120V 60Hz #
 Single phase 3- wire

Operating mode of E.U.T. during the test

Operating

Test Condition

Date : June 28, 2002
 Shield room : Shield No.1

Remarks

None

Temp./Humi. : 23.5° C, 59 %
 Tested by : T. Sukegawa

Detection: Q.P.

DATA No. 3 (Refer to Graph 3)

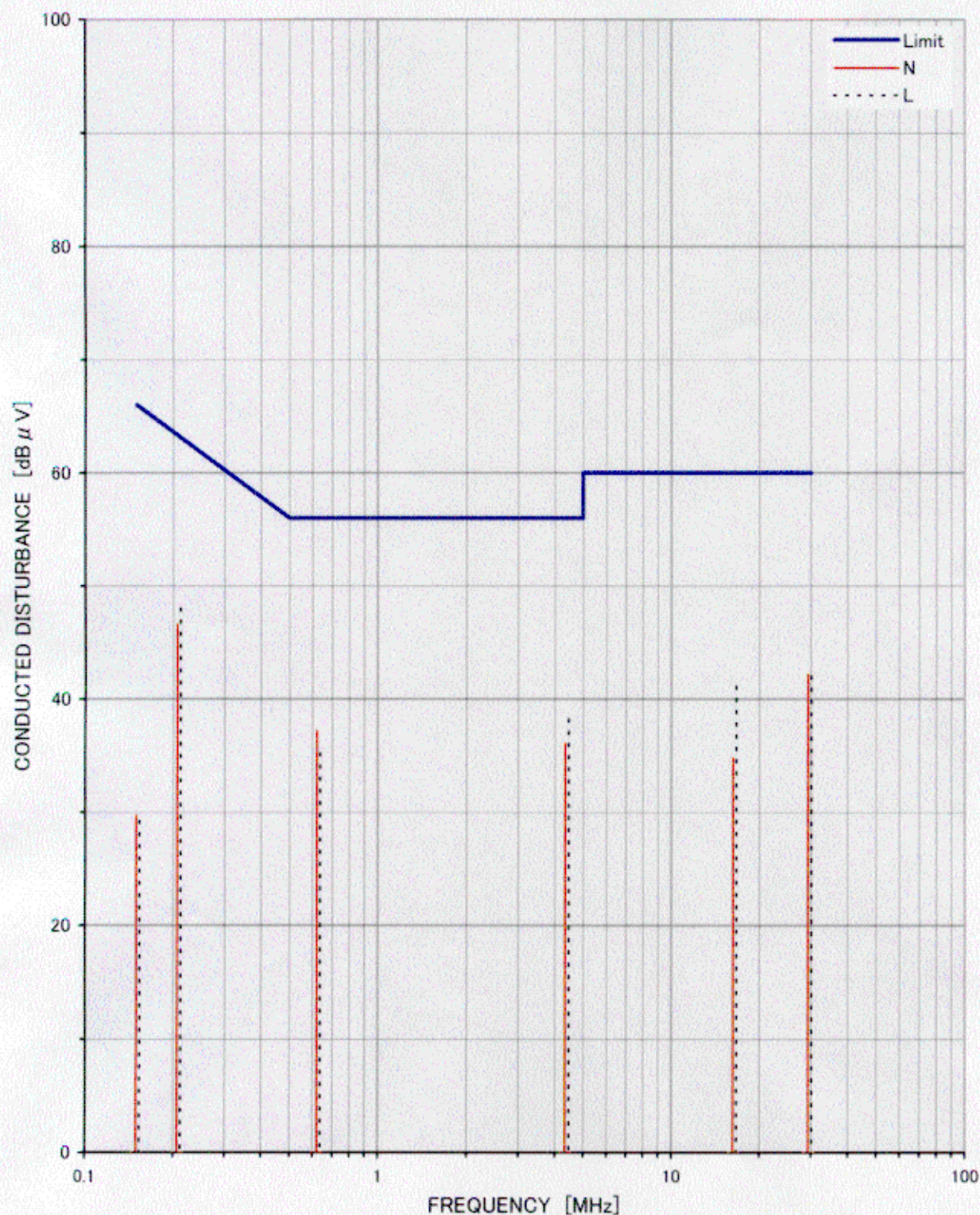
Freq. (MHz)	Reading (dB μ V)		Cor. F. (dB)		Result (dB μ V)		Limit (dB μ V)	Margin (dB)	
	N	L	N	L	N	L		N	L
0.150	29.5	29.0	0.2	0.2	29.7	29.2	66.0	36.3	36.8
0.207	46.4	47.8	0.2	0.2	46.6	48.0	63.3	16.7	15.3
0.621	36.9	34.9	0.3	0.3	37.2	35.2	56.0	18.8	20.8
4.355	35.6	37.7	0.5	0.5	36.1	38.2	56.0	19.9	17.8
16.284	34.0	40.2	0.8	0.9	34.8	41.1	60.0	25.2	18.9
29.352	41.5	40.8	0.7	1.2	42.2	42.0	60.0	17.8	18.0

Remarks

- Formula : Result = Reading + Cor.F.
 Margin = Limit - Result
- The correction factor (Cor.F.) includes the LISN(AMN) voltage division factor and Cable loss.
- The conducted emission limits below 30MHz are consistent with the international standard specified in IEC/CISPR Publication 22. (FCC 02-157)
- # : EUT is supplied with DC 5V from PC.

Graph 3

CONDUCTION / Detection : Q.P.



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Operating

Remarks

None

Applied power : AC 120V 60Hz #
 Single phase 3-wire

Test Condition

Date : June 28, 2002
 Shield room : Shield No.1

Temp./Humi. : 23.5°C, 59 %
 Tested by : T. Sukegawa

Detection: Average

DATA No. 4 (Refer to Graph 4)

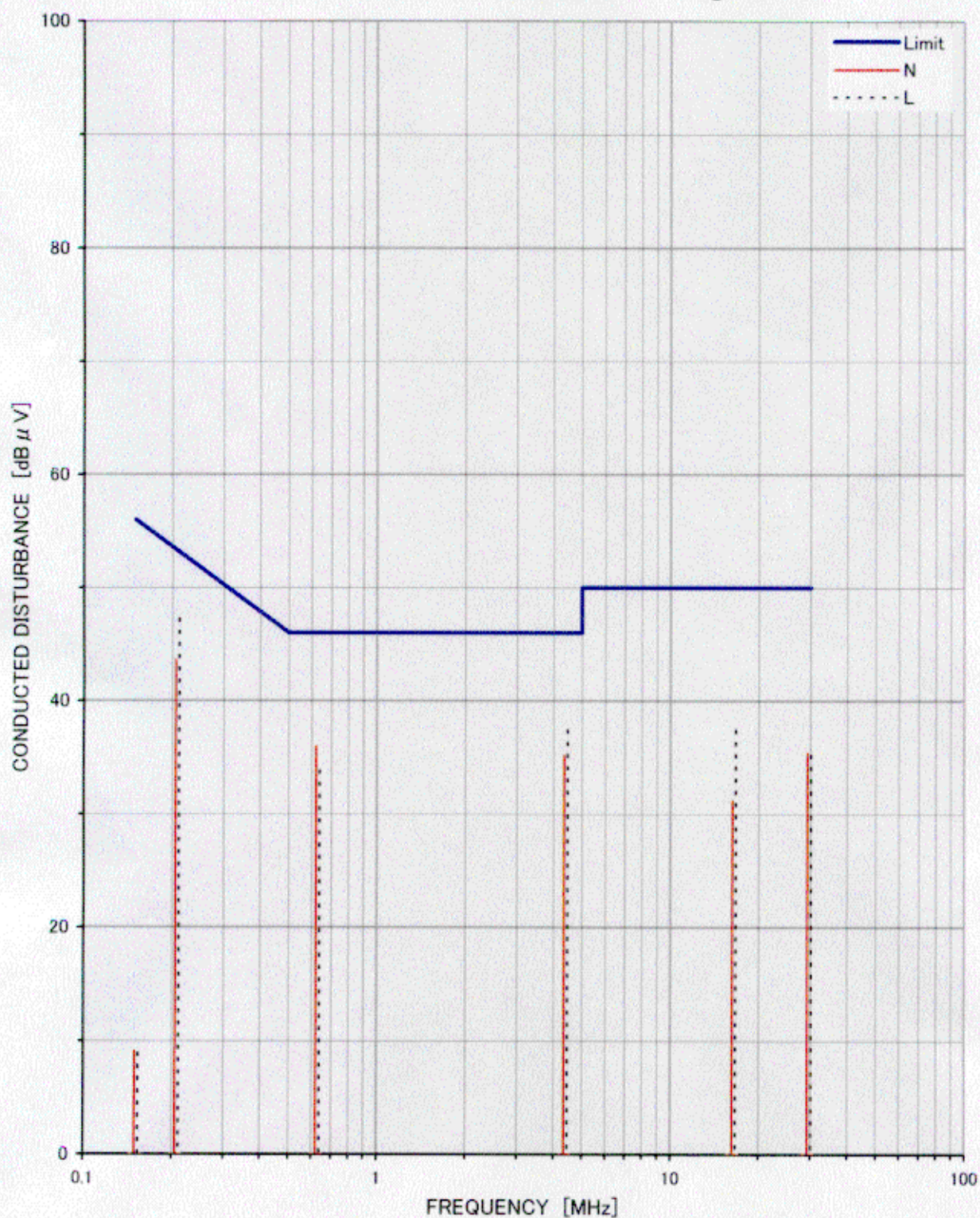
Freq. (MHz)	Reading (dB μ V)		Cor. F. (dB)		Result (dB μ V)		Limit (dB μ V)	Margin (dB)		
	N	L	N	L	N	L		N	L	
0.150	8.9	8.7	0.2	0.2	9.1	8.9	56.0	46.9	47.1	#
0.206	43.4	47.0	0.2	0.2	43.6	47.2	53.3	9.7	6.1	
0.622	35.7	33.5	0.3	0.3	36.0	33.8	46.0	10.0	12.2	
4.356	34.7	36.9	0.5	0.5	35.2	37.4	46.0	10.8	8.6	
16.284	30.4	36.5	0.8	0.9	31.2	37.4	50.0	18.8	12.6	
29.349	34.7	34.0	0.7	1.2	35.4	35.2	50.0	14.6	14.8	

Remarks

- Formula : Result = Reading + Cor.F.
Margin = Limit - Result
- The correction factor (Cor.F.) includes the LISN(AMN) voltage division factor and Cable loss.
- The conducted emission limits below 30MHz are consistent with the international standard specified in IEC/CISPR Publication 22. (FCC 02-157)
- # : EUT is supplied with DC 5V from PC.
- ‡ : Radiated disturbance is perhaps from the personal computer.

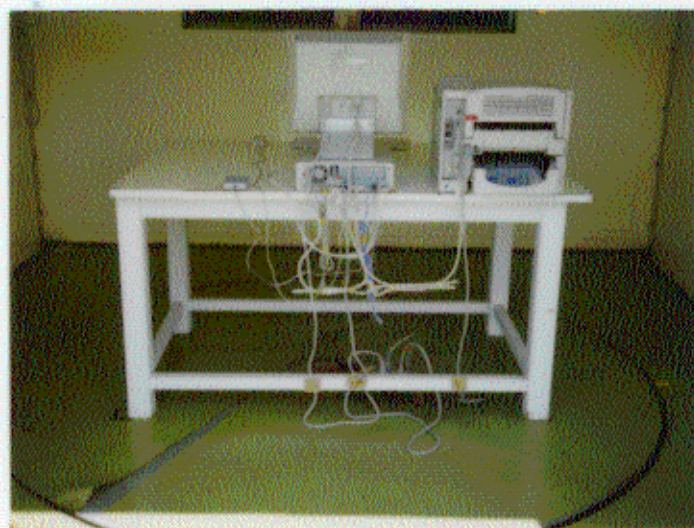
Graph 4

CONDUCTION / Detection : Average



Photograph of Equipment Under Test (E.U.T.)

Radiated Disturbance Measurement



Photograph of Equipment Under Test (E.U.T.) (Continued)

Conducted Disturbance Measurement



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