

2. TEST DATA

2.1. AC Powerline Conducted Emissions Measurements (0.15 MHz - 30 MHz)

Date : June 7, 2005

Temp. : 20°C Humi.: 60% Atmo.: 960hPa

Frequency (MHz)	AMN Factor (dB)	Meter Reading (dBμV)				Limits (dBμV)		Emission Level (dBμV)		Margin (dB)		Comment
		V-A		V-B		Q.P	AVE	Q.P	AVE	Q.P	AVE	
		Q.P	AVE	Q.P	AVE							
0.15	0.1	65.4	53.3	59.2	49.5	66.0	56.0	65.5	53.4	0.5	2.6	
0.27	0.1	54.1	40.7	58.7	44.3	61.1	51.1	58.8	44.4	2.3	6.7	
0.47	0.1	50.0	36.9	46.3	35.5	56.5	46.5	50.1	37.0	6.4	9.5	
0.78	0.1	46.0	< 10.0	46.0	< 10.0	56.0	46.0	46.1	< 10.1	9.9	> 35.9	
1.07	0.1	43.0	-	46.3	< 10.0	56.0	46.0	46.4	< 10.1	9.6	> 35.9	
3.05	0.1	29.8	-	29.6	-	56.0	46.0	29.9	-	26.1	-	
5.00	0.1	27.9	-	28.1	-	56.0	46.0	28.2	-	27.8	-	
7.00	0.1	34.4	-	33.2	-	60.0	50.0	34.5	-	25.5	-	
10.00	0.1	37.3	-	35.1	-	60.0	50.0	37.4	-	22.6	-	
14.00	0.3	38.3	-	38.4	-	60.0	50.0	38.7	-	21.3	-	
17.00	0.3	36.0	-	37.5	-	60.0	50.0	37.8	-	22.2	-	
20.00	0.4	29.1	-	24.4	-	60.0	50.0	29.5	-	30.5	-	
25.00	0.5	27.7	-	18.0	-	60.0	50.0	28.2	-	31.8	-	
30.00	0.6	24.0	-	19.1	-	60.0	50.0	24.6	-	35.4	-	

Notes: 1) Test Location : Shielded Room

2) The spectrum was checked from 0.15 MHz to 30 MHz

3) AMN(Artificial Mains Network) factor includes the cable loss for 5 meter.

4) The symbol of "<" means "or less".

5) The symbol of ">" means "more than".

6) The symbol of "-" means "Not applicable".

7) V-A : One end & Ground V-B : The other end & Ground

8) Q.P : Quasi-Peak Detector AVE : Average Detector

9) A sample calculation was made at 0.15 MHz

$$Amn + Mr = 0.1 + 65.4 = 65.5 \text{ dBuV}$$

Amn : AMN Factor Mr : Meter Reading

10) Setting of measuring instrument :

Detector Function : CISPR Quasi-Peak / Average

IF Bandwidth : 9 kHz / 10 kHz (0.15 MHz - 30 MHz)

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