

WAVE CORPORATION

FIGURE 1. MEASURING CONDITION

EQUIPMENT DIGITIZER

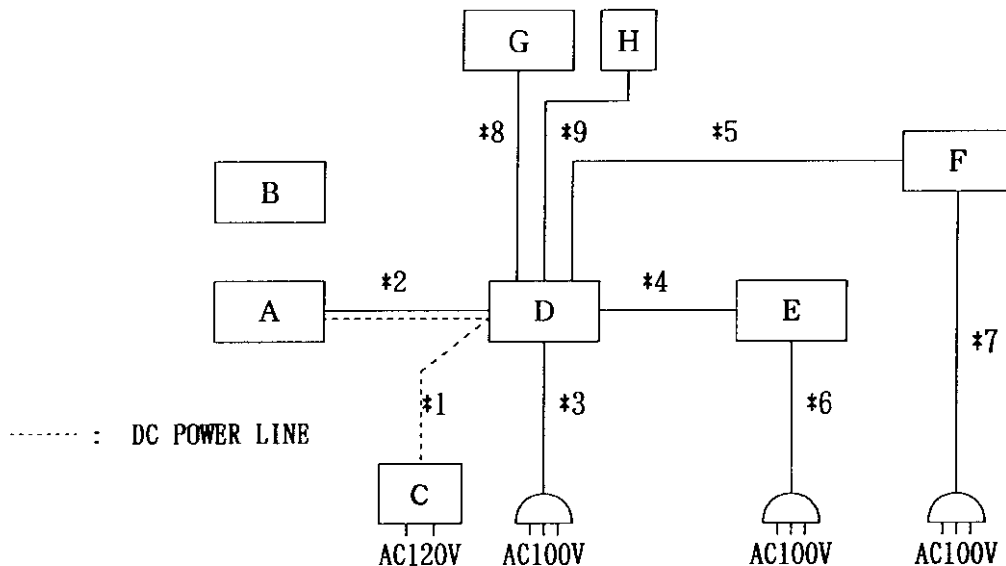
MODEL GD-1218-R

POWER SUPPLY AC120V, 60Hz

SYSTEM CONFIGURATION

SIGN	MANUFACTURER	DESCRIPTION	MODEL NO.	SERIAL NO.	FCC ID	OPERATING CONDITION
A	WACOM Co., Ltd.	DIGITIZER	GD-1218-R	7LJS00001	HV4GD1218R	Normal mode
B	WACOM Co., Ltd.	LENS CURSOR	GC-210-00	_____	_____	_____
C	ANOMA ELECTRIC Co., Ltd.	AC Adaptor	AEC-3512B	_____	_____	_____
D	Compaq Computer Corp.	Personal Computer	DP386/20e	4923HS4H0116	CNT75M5524	Running mode of test program
E	NANA0 Corp.	Display	00FC1003AX	56475129	GCJ9060	Display mode of coordinate
F	STAR MICRONICS AMERICA INC.	Printer	J250	430091101326	B6D8MFJ250	Print mode of "H" pattern
G	Compaq Computer Corp.	Keyboard	LR68219	108195730790	ACJ8D 7109232	_____
H	Fujitsu Ltd.	Mouse	N01B-0651-B101	6355494C	_____	_____

FIGURE OF SYSTEM CONFIGURATION



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NO.	CABLE	PIN NO.	LENGTH	SHIELDED
*1	DC CABLE	2P	2.0m	No
*2	SERIAL I/F CABLE	10P	2.5m	Yes
*3	AC POWER CABLE	3P	2.0m	No
*4	VIDEO SIGNAL CABLE	9P - 15P	1.8m	Yes
*5	PARALLEL I/F CABLE	25P - 36P	1.8m	Yes
*6	AC POWER CABLE	3P	1.8m	No
*7	AC POWER CABLE	3P	2.0m	No
*8	Keyboard CABLE	6P	2.0m	Yes
*9	Mouse CABLE	6P	1.8m	Yes

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7.4 RADIATION LIMIT (REF. SECTION 15.109 and 15.209 Radiated emission limits)

All emanations from a Class B Digital Device or System of Subpart B and C, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below.

FREQUENCY(F) (MHz)	DISTANCE (METERS)	FIELD STRENGTH (dBuV/m)
0.009 — 0.49	300	$7.6 - 20\log F$
0.49 — 1.705	30	$27.6 - 20\log F$
1.705 — 30	30	29.5
30 — 88	3	40.0
88 — 216	3	43.5
216 — 960	3	46.0
Above 960	3	54.0

- Note:
- (1) The tighter limit shall apply at the edge between two frequency bands.
 - (2) Distance refers to the distance in meters between the measuring instrument antenna and the closest point of any part of the device or system.
 - (3) F is the frequency in megahertz of the emission under investigation.

7.5 AMBIENT CONDITIONS

The ambient conditions at the time the test was conducted were as follows:

TEMPERATURE 16 DEGREES CENTIGRADE

RELATIVE HUMIDITY 50 %

The EUT was allowed to stabilize at its normal operating temperature prior to commencing these tests.

7.6 TEST RESULTS

Test result, operating condition is Normal mode, is indicated as follows.

***** EMISSION LEVEL of EUT *****

WAVE No.WE-2085

COMPANY NAME : WACOM Co., Ltd.
EQUIPMENT TESTED : DIGITIZER
MODEL NUMBER : GD-1218-R
OPERATING CONDITIONS : NORMAL MODE
TESTED FOR COMPLIANCE WITH: FCC 15 CFR FOR CLASS B DIGITAL DEVICES of SUBPART C
ANTENNA DISTANCE : 3.0m
POWER SUPPLY : AC120V
ANTENNA : Rod Active Antenna 3301B
RECEIVER : ROHDE & SCHWARZ ESH-2
DATE TESTED : 02/13/1998
TEMPERATURE : 15 Deg C
HUMIDITY : 53 %

TEST SITE : WAVE CORPORATION
TEST ENGINEER : MITSUYUKI AKUZAWA

----- Quasi-Peak Mode -----							
Freq.	Reading Level Vertical (dBuV)	Amp. Gain (dB)	Corr. Fact (dB)	Cable Loss (dB)	Emission Level Vertical (dBuV/m)	Limit (dBuV/m)	Margin (dB)
18.432MHz	17.50	0.0	6.2	0.8	24.5	69.5	-45.0
23.949MHz	30.50	0.0	7.1	1.0	38.6	69.5	-30.9

Note :

The above limit is calculated with a measurement distance, 3m.
Assuming, it is proportion to $1/R^2$ (40dB/decade).
R is a measurement distance.

***** EMISSION LEVEL of EUT *****

TEST No.WE-2086

COMPANY NAME : WACOM Co., Ltd.
 EQUIPMENT TESTED : DIGITIZER
 MODEL NUMBER : GD-1218-R
 OPERATING CONDITIONS : NORMAL MODE
 TESTED FOR COMPLIANCE WITH: FCC 15 CFR FOR CLASS B DIGITAL DEVICES of SUBPART B
 ANTENNA DISTANCE : 3m
 POWER SUPPLY : AC120V
 ANTENNA : SCHWARZBECK Biconical BBA9106 or Dipole VHAP,UHAP
 : EMCO Log-Peri 3146
 RECEIVER : ROHDE & SCHWARZ ESV
 DATE TESTED : 02/23/1998
 TEMPERATURE : 16 Deg C
 HUMIDITY : 50 %
 TEST SITE : WAVE CORPORATION
 TEST ENGINEER : KEIICHI ADACHI

----- Quasi - Peak Mode -----

Freq. (MHz)	Reading Level		Amp. Gain (dB)	Ant. Factor (dB)	Cable Loss (dB)	Emission Level		Limit (dBuV/m)	Margin	
	Hor. (dBuV)	Ver. (dBuV)				Hor. (dBuV/m)	Ver. (dBuV/m)		Hor. (dB)	Ver. (dB)
30.110		35.8	26.1	18.4	4.3		32.4	40.0		-7.6
40.024	33.4	44.6	26.2	13.7	4.5	25.4	36.6	40.0	-14.6	-3.4
47.960	37.2	39.9	26.0	10.6	4.6	26.4	29.1	40.0	-13.6	-10.9
60.024	38.6	42.2	26.1	7.6	4.8	24.9	28.5	40.0	-15.1	-11.5
83.898	44.0		26.1	7.8	5.2	30.9		40.0	-9.1	
89.894	42.0		26.1	9.2	5.3	30.4		43.5	-13.1	
96.048		34.8	26.1	10.3	5.4		24.4	43.5		-19.1
101.418		39.8	26.1	11.2	5.4		30.3	43.5		-13.2
105.338	37.6		26.1	11.6	5.5	28.6		43.5	-14.9	
120.028	36.8		26.1	13.0	5.7	29.4		43.5	-14.1	
140.028	33.0	35.0	26.2	14.2	6.0	27.0	29.0	43.5	-16.5	-14.5
160.024	36.5	34.6	26.3	15.5	6.2	31.9	30.0	43.5	-11.6	-13.5
165.528	35.4		26.3	15.8	6.3	31.2		43.5	-12.3	
440.028	29.4	32.8	26.5	16.5	8.5	27.9	31.3	46.0	-18.1	-14.7
480.028		36.4	26.7	18.3	8.8		36.8	46.0		-9.2
520.028	34.2	39.8	26.5	18.2	9.1	35.0	40.6	46.0	-11.0	-5.4
600.048		35.6	26.3	19.5	9.5		38.3	46.0		-7.7
640.048		36.0	26.4	19.9	9.8		39.3	46.0		-6.7
700.048		32.9	26.3	23.3	10.1		40.0	46.0		-6.0
708.077		32.0	26.3	22.9	10.1		38.7	46.0		-7.3

