

DATA OF BAND EDGE (CONDUCTED)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Measurement Room

COMPANY : SHARP Corporation
EQUIPMENT : Notebook Computer
MODEL : PC-AV18P
S/ N : -
FCC ID : APYNAR0051
IC Number : -
POWER : AC120V / 60Hz
MODE : Tx

REPORT NO. : 23LE0055-HO
REGULATION : Fcc Part15 Subpart C 15.247(c)
TEST DISTANCE : -
DATE : 08/18/2003
TEMPERATURE : 27°C
HUMIDITY : 53%

Y. Iwasa

Engineer : Yoshiaki Iwasa

PK DETECT (S/A :SPAN 11MHz, RBW 100kHz, VBW 100kHz, sweep time AUTO)

Frequency [MHz]	Reading [dBuV]	Cable Loss [dB]	E [dBuV]	P [nW]	Difference of level [dB]	Field Strength [dBuV/m]	Limit
2390.0	47.5	1.8	49.3	1.69	-	40.3	<74[dBuV/m]
2400.0	59.3	1.8	61.1	-	43.3	-	>20[dB]
2483.5	49.6	1.8	51.4	2.77	-	42.4	<74[dBuV/m]

* Reference : Reading (102.6[dBuV]) + Cable Loss (1.8[dB]) = 104.4 [dBuV](at 2412MHz)

AV DETECT (S/A :SPAN 11MHz, RBW 100kHz, VBW 10Hz, sweep time AUTO)

Frequency [MHz]	Reading [dBuV]	Cable Loss [dB]	E [dBuV]	P [nW]	Difference of level [dB]	Field Strength [dBuV/m]	Limit
2390.0	37.3	1.8	39.1	0.16	-	30.0	<54[dBuV/m]
2400.0	50.6	1.8	52.4	3.50	-	43.4	<54[dBuV/m]
2483.5	37.3	1.8	39.1	0.16	-	30.1	<54[dBuV/m]

* Reference : Reading (102.6[dBuV]) + Cable Loss (1.8[dB]) = 104.4 [dBuV](at 2412MHz)

Sample Calculation:

$$\text{Field Strength} = 20\log((\sqrt{30 \cdot P \cdot 10^{-9} \cdot G}) / d \cdot 10^6)$$

E : Reading + Cable Loss

P : Converted to nW

d : Test distance(3.0m)

G : Numeric Antenna G 1.88 (antenna gain 2.75 dBi)

