



EMI TEST REPORT (Reference data)

Test Report No. : 25IE0245-HO-1

Applicant : Sony Corporation
Type of Equipment : Wireless LAN Module
Model No. : IRF303JU
Test standard : FCC Part 15 Subpart C
Section 15.207, Section 15.247 : 2005
FCC ID : AK8IRF303

1. This test report shall not be reproduced in full or partial, without the written approval of UL Apex Co., Ltd.
2. The results in this report apply only to the sample tested.
3. This equipment is in compliance with above regulation. We hereby certify that the data contain a true representation of the EMC profile.
4. The test results in this report are traceable to the national or international standards.

Date of test:

June 13 and July 5, 2005

Tested by:

Hiroka Umeyama
EMC Service

Approved by :

Naoki Sakamoto
Group Leader of
EMC Service

UL Apex Co., Ltd.

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MF060b(10.04.03)

The test result (the worst data rate) of Maximum Peak Output Power according to 15.247 is listed in test report No. 25IE0245-HO-1.

After the test, SAR test was conducted and its result (the worst data rate, please see test report No. 25IE0245-HO-5) was different from the one in 25IE0245-HO-1.

Please refer to the additional Maximum Peak Output Power test result (SAR worst data rate) below:

Maximum Peak OutPut Power (DSSS and other forms of modulation)

UL Apex Co., Ltd.
Head Office EMC Lab. No.4 Measurement Room

Company : Sony Corporation
Equipment : Wireless LAN Module
Model : IRF303JU
Sample No. : 003
Power : DC3.3V
Mode : Tx IEEE 802.11g
Antenna Port : 1,2

REPORT NO : 25IE0245-HO
REGULATION : FCC 15.247(b)(3)
TEST DISTANCE : -
DATE : 06/13/2005 and 07/05/2005
TEMPERATURE : 24deg.C and 25deg.C
HUMIDITY : 49% and 65%
ENGINEER : Hiroka Umeyama

[The worst data rate in SAR result]

[IEEE802.11g : Antenna Port 1 (12Mbps)]

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Converted [mW]
1	2412.0	9.54	0.49	10.00	20.03	100.69
6	2437.0	10.49	0.49	10.00	20.98	125.31
11	2462.0	9.82	0.49	10.00	20.31	107.40

[The worst data rate in SAR result]

[IEEE802.11g : Antenna Port 2 (18Mbps)]

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Converted [mW]
1	2412.0	9.62	0.49	10.00	20.11	102.57
6	2437.0	10.07	0.49	10.00	20.56	113.76
11	2462.0	9.70	0.49	10.00	20.19	104.47

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

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