

## EMI TEST REPORT(Reference data)

**Test Report No. : 25IE0245-HO-3**

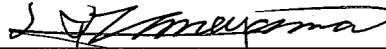
**Applicant** : Sony Corporation  
**Type of Equipment** : Wireless LAN Module  
**Model No.** : IRF303JU  
**Test standard** : FCC Part 15 Subpart E  
Section 15.407 : 2005  
**FCC ID** : AK8IRF303

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 June 16, 2005

**Tested by:**



Hiroka Umeyama  
EMC Service

**Approved by :**



Naoki Sakamoto  
Group Leader of  
EMC Service

The test result (the worst data rate) of Peak Transmit Power according to 15.407 is listed in test report No. 25IE0245-HO-3. After the test, SAR test was conducted and its result (the worst data rate, please see test report No. 25IE0245-HO-6) was different from the one in 25IE0245-HO-3.

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

### Peak Transmit Power

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 802.11a  
Antenna Port : 1,2

REPORT NO : 25IE0245-HO  
REGULATION : FCC 15. 407(a)(1)(2)(3)  
TEST DISTANCE : -  
DATE : 06/13/2005 and 06/16/2005  
TEMPERATURE : 24deg.C and 25deg.C  
HUMIDITY : 49% and 60%  
ENGINEER : Hiroka Umeyama

**[The worst data rate in SAR result]**

<b>[IEEE802.11a 5150-5350MHz: Antenna Port 1 (12Mbps)]</b>						
Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Converted [mW]
36	5180	1.32	1.23	10.00	12.55	17.99
52	5260	0.68	1.23	10.00	11.91	15.52
64	5320	0.49	1.23	10.00	11.72	14.84

**[The worst data rate in SAR result]**

<b>[IEEE802.11a 5150-5350MHz: Antenna Port 2 (12Mbps)]</b>						
Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Converted [mW]
36	5180.0	1.04	1.23	10.00	12.27	16.85
52	5260.0	0.71	1.23	10.00	11.94	15.63
64	5320.0	0.43	1.23	10.00	11.66	14.66

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

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

**UL Apex Co., Ltd.**

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