

Test report No.

: 25IE0245-HO-1

Page

Issued date FCC ID : 1 of 2 : July 6, 2005

: AK8IRF303

# **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.

Approved by:

- 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:	
	> Homerpoma

EMC Service

Naoki Sakamoto Group Leader of EMC Service

Hiroka Umeyama

Test report No.

: 25IE0245-HO-1

Page

: 2 of 2 **Issued date** 

FCC ID

: July 6, 2005 : AK8IRF303

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

REPORT NO

: 25IE0245-HO

Equipment

: Wireless LAN Module

REGULATION

: FCC 15.247(b)(3)

Model

: IRF303JU

TEST DISTANCE

Sample No. : 003 DATE

: 06/13/2005 and 07/05/2005

: DC3.3V Power Mode : Tx IEEE 802.11g TEMPERATURE

: 24deg.C and 25deg.C : 49% and 65%

Antenna Port : 1,2

HUMIDITY **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.	S/A Reading	Cable Loss	Atten.		Converted			
	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[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

UL Apex Co., Ltd.

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MF060b(10.04.03)

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