butch

From: Melvin [melvin@pctestlab.com]
Sent: Friday, February 28, 2003 11:00 AM
To: PCTEST - Mia Kang; PCTEST - Courtenay Geraghty; PCTEST - Butch DelaCruz
Subject: FW: TCB Questions - Sony Corp FCC ID AK8PCWADE50

Integral antenna.pdf

MPE Caluculation new.pdf

Test report 103028 SONY PCWADE...

Users manual 1(RF Exposure inf...

-----Original Message-----
From: MITSUI izumi [mailto:imitsui@akzoemc.co.jp]
Sent: Friday, February 28, 2003 2:49 AM
To: Randy Ortanez
Cc: 'Yukio Tanuma'; 'Al Cirwithian (Alfred Cirwithian)'; Melvin Enderes; jokada@akzoemc.co.jp; kando@akzoemc.co.jp
Subject: Re: TCB Questions - Sony Corp FCC ID AK8PCWADE50

Dear Randy,

Please find our answers as follows.

1. Yes, this application is for FCC Part 15E and a UNII device.

2. The antennal of this device will be installed by Sony only.
The device (Wireless LAN Converter AK8PCWADE50) will be sold after the antenna is installed in the device at the Sony factory.
The transmitter operating conditions to satisfy RF exposure compliance is
specified in the users manual (See the WARNING in the Users manual 1 (RF
Exposure info.) - I send it to you again.)

3. The antenna is soldered and is screwed shut with special screw on the board.(please see attached photo.)
The special screw cannot be obtained from retail outlets. Therefore the user
cannot remove it. (please see attached photo.)

4. Please see amended MPE calculation.

5. Please see amended test report.

If you need more information, please feel free to contact me. I very appreciate your early grant of this.
Thank you for your gracious cooperation.

Best Regards,

Izumi Mitsui
Technology Management Group, EMC Division
Akzo Nobel K. K.
Tel. +81 3 5210 5411 Fax. +81 3 5216 2860
e-mail: imitsui@akzoemc.co.jp
http://www.akzoemc.co.jp

----- Original Message -----
From: "Randy Ortanez" <randy@pctestlab.com>

To: "'MITSUI Izumi'" <imitsui@akzoemc.co.jp>
Cc: "'Yukio Tanuma'" <yuki@pctestlab.com>; "'Al Cirwithian (Alfred Cirwithian)'" <al@pctestlab.com>; "Melvin Enderes" <melvin@pctestlab.com>
Sent: Friday, February 28, 2003 10:50 AM
Subject: TCB Questions - Sony Corp FCC ID AK8PCWADE50

> To: Izumi Mitsui/Akzo Nobel K.K.
> From: Randy Ortanez/PCTEST TCB
>
> Re: FCC ID: AK8PCWADE50
> Applicant: Sony Corporation
>
> Application Received: 02/21/2003
> Correspondence Reference Number: 230227C.AK8
> Confirmation Number: TC3046
> Date of Original Email: 02/27/2003
>
> Subject: Request for additional information
>
> In regards to your recent TCB application referenced above, we kindly
> request that you provide the following additional information.
>
> 1. Please confirm this application is for FCC Part 15E as a UNII device.
>
> 2. Please confirm if this device/antenna will be installed by Sony only
> or installed by the user. Please provide clear antenna installation and
> transmitter operating conditions to satisfy RF exposure compliance.
>
> 3. Please clarify whether this device meets the integral antenna
> requirement specified in Section 15.407(d) of the FCC Rules.
>
> 4. Please recalculate the Maximum Permissible Exposure (MPE) exhibit
> showing the power density level (mW/cm2) at 20 cm per recent FCC policy.
>
> 5. Please correct the typographical error on page 37 of the test report
> to show the proper frequency.
>
> Proposed Grant Notes:
> Sony 5 GHz Wireless LAN Converter - UNII
> 15E 5180 - 5320 MHz 20.4 dBm (109.6 mW)
>
> Power Output listed is EIRP. The antenna(s) used for this transmitter
> must be installed to provide a separation distance of at least 20 cm
> from all persons and must not be co-located or operating in conjunction
> with any other antenna or transmitter. End-users and OEM integrators
> must be provided with antenna installation instructions and transmitter
> operating conditions for satisfying RF exposure compliance. This device
> must be marketed for indoor use only. Maximum antenna gain reported:
> +4.0 dBi.
>
> CE: This device has shown compliance with the conducted emissions limits
> in 15.107, 15.207, or 18.307 adopted under FCC 02-157 (ET Docket 98-80).
> The device may be marketed after July 11, 2005, and is not affected

by
> the 15.37(j) or 18.123 transition provisions.
>
> The items indicated above must be submitted before processing can
> continue on the above referenced application. Failure to provide the
> requested information within 60 days of the original e-mail date may
> result in application dismissal and forfeiture of the filing fees.
>
> Any questions about the content of this correspondence should be
> directed to PCTEST TCB (410) 290-6652. Thank you.
>
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