

Subject: Re: Comments for NHVWDJ442

Date: Thu, 6 Feb 2003 13:06:25 +0900

From: ykoyama@a-pex.co.jp

To: Dennis Ward <dennis@yosemite.net>

Hello Dennis,

I reply to comment 2 with regard to FCC ID: NHVWDJ442 on Jan. 24

Entry system ECU has several LF Exciters. However, MCU drives only either one LF Exciter of them. The operation of the system is as follows;

1. When a user sends any command using the portable unit FOB to the entry system ECU from the several yards apart from the automobile, the user pushes any button on the portable unit FOB. Then the entry system ECU sends a inquiry message using the Interior LF Exciter to the FOB. Responding to this inquiry, the FOB sends the ID to the entry system ECU and then the MCU of the ECU drives the corresponding key \$B!G (Bs open or close.

2. When the user, who wears the portable unit FOB, approaches in neighborhood of the automobile and touches it, a proximity sensor located on, for example the door handles and trunk lid senses the user \$B!G (Bs action and sends a signal to the MCU. The MCU sends the LF-challenge to the FOB through the LF Exciter with antenna. The FOB sends RF-response to the ECU. If the ID is correct, the corresponding door opens or closes depending on the status by driven based on the MCU decision. Above functions are described in the "user manual" submitted.

As described above, the entry system ECU drives only one LF Exciter with antenna. For the testing in accordance with FCC rules and ANSI C63.4, the entry system ECU with the interior LF Exciter, which is expected the highest radiated power, was measured and reported.

Thank you very much.

Best regards,

Yukie Koyama
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--Original Message 2003/02/04 3:14:41--

Hi Yukie
not a problem. Let me know when you have everything
Thanks
Dennis

ykoyama@a-pex.co.jp wrote:

> Hi Dennis,
>
> Thank you very much for your contact on the above application. I make a
> reply as follow:
>
> 1. Please see the file "Internal photo2".
>
> 2. Could you wait for our answer for a little while as well as NHVWDJ441?

>
> *Thank you.*
>
> *Best regards,*
>
> *Yukie Koyama*
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> :::::::::::::::::::::::::::::
>
> *--Original Message 2003/01/26 8:40:02--*
> *Please see comments*
> *thanks*
> *Dennis*
> *- 1-24-03 NHVWDJ442_ATCB Comments.pdf*