

From: K. Kawabata [kenji.kawabata@furuno.co.jp]
Sent: Monday, January 24, 2005 10:30 PM
To: czanardi@furuno.com
Cc: pdowns@furuno.com; sryan@furuno.com
Subject: Re: FW: FCC Equipment Authorization System

Mr. C. Zanardi

We always use IEC 60945 4th edition, Clause 12.2 for the measurement of Radiation Exposure.
For your quick reference, please find the attached IEC 60945 standard. We use the actual meter, Model 4C of General Microwave to measure the radiation exposure. The measurement value is described in the Operator's Manual.

We apply this not only radiotelephone but radar too.

Is this acceptable or do we have to indicate by MPE method?

Best regards,
K. Kawabata

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>1/24/05
>To Kanji Kawabata
>
>I received the following e-main from the FCC regarding the safety
>information.
>
>Please investigate.
>
>Regards
>C Zanardi
>
>
> -----Original Message-----
>From: OET Generic account [mailto:oetech@fccsun34w.fcc.gov]
>Sent: Monday, January 24, 2005 11:46 AM
>To: czanardi@furuno.com
>Subject: FCC Equipment Authorization System
>
>To: Charles Zanardi,
>From: Stan Lyles
> Stanley.Lyles@fcc.gov
> FCC Application Processing Branch
>
>Re: FCC ID ADB9ZWFM8800D
>Applicant: Furuno USA Inc
>Correspondence Reference Number: 28360
>731 Confirmation Number: EA455341
>
>
>1) Per OET 65 eqn 3 MPE is as follows:
> gen. pop. limit = 0.2 mW/cm^2
> gain = 2.15 dBi

> P = 25 W
> d = 1.3 m
>If 50% operating duty factor is applicable
> d = 90 cm
>
>If cable with loss>1.4dB will always be used
> gain = 2.15 dBi
> P = 18 W
> cable loss = 1.42 dB
> d = 1.1 m
>If 50% operating duty factor is applicable
> d = 75 cm
>
>However, user instructions in this filing show 33 cm for FCC RF exposure
>compliance distance.
>Please explain or revise, also considering the following.
>
>2) MPE estimation should account for maximum expected exposures and not
>assume specific cable loss, unless only specific antenna(s) and cable(s)
>will always be used with the device. Please describe whether specific
>antennas and cables will be marketed with device.
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>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 pursuant to Section 2.917 (c) and forfeiture of the
>filing fee pursuant to section 1.1108.
>
>DO NOT reply to this e-mail by using the Reply button. In order for your
>response to be processed expeditiously, you must upload your response via
>the Internet at www.fcc.gov, Electronic Filing, OET Equipment Authorization
>Electronic Filing. If the response is submitted through Add Attachments, in
>order to expedite processing, a message which informs the processing staff
>that a new exhibit has been submitted must also be submitted via Submit
>Correspondence. Also, please note that partial responses increase
>processing time and should not be submitted.
>
>Any questions about the content of this correspondence should be directed to
>the e-mail address listed below the name of the sender.
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