

From: K. Kawabata [kenji.kawabata@furuno.co.jp]  
Sent: Tuesday, February 01, 2005 12:04 AM  
To: czanardi@furuno.com  
Cc: kawabata@fecins.furuno.co.jp; sryan@furuno.com; pdowns@furuno.com  
Subject: Re: FW: FCC Equipment Authorization System

Dear Mr. C Zanardi

We would add description to Operator's manual 2W/square meter: 0.9m (MPE by FCC) in addition to the current description 100W/ square meter : 0.11m and 10W/square meter: 0.33 which were required to be indicated by IEC 60945 standard. IEC 60945 requires the minimum distance with actual Hazard meter to get 10W/square meter and 100W/ square meter.

Is this arrangement accepted?

Best regards,  
K. Kawabata

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>1/26/05  
>To: Kenji Kawabata  
>  
>I sent this engineer the IEC data that you sent but he still is requesting  
>that we submit the MPE data. See Attached e-mail from the FCC.  
>  
>We did receive the grant for the FM8800S..  
>  
>Regards  
>C Zanardi  
>  
>  
> -----Original Message-----  
>From: OET Generic account [mailto:oetech@fccsun34w.fcc.gov]  
>Sent: Wednesday, January 26, 2005 10:29 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: 28369  
>731 Confirmation Number: EA455341  
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>  
>1) Mobile and fixed transmitters authorized by FCC must comply with RF  
>exposure limits in 47 CFR 1.1310, i.e., at 150 MHz 10 W/m<sup>2</sup> (1 mW/cm<sup>2</sup>) for  
>occupational/controlled exposure conditions, and 2 W/m<sup>2</sup> (0.2 mW/cm<sup>2</sup>) for  
>general-population/uncontrolled exposure conditions. Occupational/controlled  
>limits apply in situations in which persons are exposed as a consequence of  
>their employment provided those persons are fully aware of the potential for  
>exposure and can exercise control over their exposure. 47 CFR 2.1033(c)(3)  
>requires device operating and installation instructions to be submitted  
>during equipment certification; instructions should include the minimum

>separation distance and other constraints required for the device and its  
>antenna(s) to meet MPE limits. Per definition of a mobile device a minimum  
>separation distance of 20 cm is required, antenna installation conditions  
>should maintain the estimated minimum MPE separation distance, and a  
>separation distance based on MPE evaluation (measurement or computer  
>modeling) that is smaller than the estimated MPE distance may be used if it  
>is applicable for the antenna installation conditions.

>A 50% minimum operating duty factor is assumed for most push-to-talk-mode  
>devices, and RF exposure training instructions and labeling information must  
>be submitted to satisfy the occupational "work-related" and "aware of and  
>exercise control over exposure" criteria, as part of the  2.1033(c)(3)  
>required operating instructions.

>  
>Please revise MPE exhibit accordingly.

>  
>2) Our question in corresp. 28360 applied because MPE estimation, e.g., per  
>OET 65, was already submitted with the application. If device qualifies to  
>use occupational MPE limits, please submit description of your IEC 60945 Ed.  
>4 test setup and transmit antenna, or submit test report for this if  
>available. Note also that per OET 65 exposure tests below 300 MHz should  
>measure both E and H fields using appropriate instruments.

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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](http://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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