

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

>1/26/05

>To: Kenji Kawabata

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>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.

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>We did receive the grant for the FM8800S..

>

>Regards

>C Zanardi

>

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> -----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

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>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/m² (1 mW/cm²) for
>occupational/controlled exposure conditions, and 2 W/m² (0.2 mW/cm²) 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.
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>Please revise MPE exhibit accordingly.
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>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.
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>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.
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>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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