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FCC Application Processing Branch

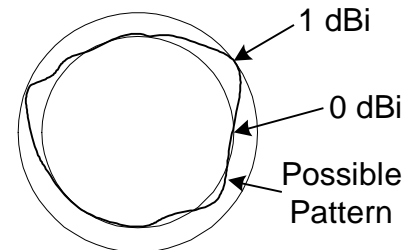
Re: FCC ID GNW22131
Applicant: Metricom Incorporated
Correspondence Reference Number: 14153
731 Confirmation Number: EA97597
Date of Original E-Mail: 05/19/2000

1. In the MPE report the gain of the antenna is listed as 1 dBi, while in the test report it is listed as 0 dBi. Please clarify.

METRICOM:

The typical gain is 0 dBi, the max gain at some points in the pattern may be as high as 1 dBi. Since 0 dBi is the typical; specified gain, it is called out in the report, but since 1dBi is the worst-case gain, I used that in the MPE calculation.

The sketch at right shows a possible antenna pattern (of course the pattern varies slightly form antenna to antenna). The typical gain is 0 dBi but there are some peaks out to 1 dBi.



2. Please revise the RF Exposure statement in the manual so that the allowable usage configurations are specifically stated . I note that the MPE report lists mounting on the back of a laptop pc as a possible configuration, but this is not addressed in the manual, nor is any other allowable configuration.

METRICOM:

The manual that was included in the certification application is preliminary and usage configurations had not been included at that time. Metricom has since generated draft pages for the customer usage configurations. Pages similar to the ones included here will appear in the manual.

3. In addition, the actual distance listed in the current manual statement is 12 cm, and not 20 cm. Please correct. Also, please indicate, in the statement, why a minimum separation distance of 20 cm is required (e.g., in order to be classified as a mobile, instead of portable, device). We ask this because we do not have SAR data for the EUT, whereas, for instance, a Part 22 CDPD modem is required to submit SAR data for potential portable configurations.

METRICOM: The typical distance between the user and the EUT antenna when the EUT used in the configurations specified in the manual is more than 20cm. Therefore, the statement in the manual has been edited to specify a minimum MPE distance of 20 cm, and thus we will classify the device as a mobile device. The edited, final version of the FCC statement and the preliminary pages showing customer configurations is included.

Please revise accordingly, and make the statement more readily apparent in the manual. Please submit the FINAL version of the statement, as opposed to a draft.

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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