

Mike Kuo

From: Tom Cokenias [tom@tncokenias.org]
Sent: October 08 日 2003 年 Wednesday 2:05 PM
To: Mike Kuo
Subject: Re: Pointred Technologies Inc., FCC ID:QDU-MCRD-5R7, NA03T3217



5R7_DTS_report_C
ORR.pdf

Hi Mike,

Answers follow questions.

best regards

Tom

>Question #1: Per DSS and DTS measurement guideline provided by FCC, when
>measuring the output power, the RBW shall be greater than 6dB bandwidth. As
>indicated in the DTS test report, the highest measured 6dB Bandwidth is
>2.37MHz and RBW of 1MHz was used during the output power measurement with
>spectrum. Please address this measurement procedure issue.

ANS 1 Attached is the corrected test report, tabulating the power meter readings for low, middle, and high channels. The spectrum analyzer data presented is for TX output set to CW (modulation off). The EUT uses FSK modulation which is a constant carrier amplitude type of modulation, and as such peak power meter readings with modulation ON should be the same as CW output. The data confirms this.

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>Question #2: The description for output power measurement mentioned power
>meter was used but the data was taken with spectrum analyzer. Please make
>necessary changes.

ANS2 Covered in ANS 1

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>Question #3: When the radio is used with point to multipoint antenna, what
>is the minimum cable length requirement and what is the cable lost
>consideration shall be given to the installer ?

ANS3 During the test we used a minimum length (3ft) laboratory quality low loss cable between the transmitter and the antenna. Cable loss for 3ft cable is less than 0.77 dB. Cable loss for commercially available cable will be greater as cable loss per foot is usually greater. Therefore, cable length is not a critical parameter.

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>Best Regards

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>Mike Kuo

>The items indicated above must be submitted before processing can continue

>on the above referenced application. Failure to provide the requested
>information within 30 days of the original e-mail date may result in
>application dismissal and forfeiture of the filing fee. 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.