Subject: Re: FCC IDs:QBODVM192 & QBOMVM192 (Murata Machinery)
Date: Fri, 14 Jun 2002 10:38:29 +0900
From: yitoh@a-pex.co.jp
To: Dennis Ward <dennis@yosemite.net>
CC: sakamoto@a-pex.co.jp

Dear Dennis,

Thank you very much for your prompt attention to this application.
Please see our reply to your comments indicated by this symbol --->>>>:

You make a statement that the 'Booster" is an unintentional radiator.
Technically, the Booster is part of the transmitting system for the
Station modem beacuse it contains what appears to be a tuned rf amplification
stage. This means it is not an unintentional radiator but rather an intentional
radiator. Since testing appears to have been done in both configurations(
modem alone and with 'booster'), the grant will be for the station
modem+booster. This is OK since you make a clear statement in the manual
that the worse cable length and worse antenna length has been considered.
We understood.

Please note that an insert or correction in the manual or a statement in
the report saying that the antenna is a unique connector needs to be added.
Please note that the photos appear to show a standard connector type is used -
This means professional installation may be needed -- please indicate how the
antenna issues of 15.203 is to be met.
We will include the suggested statement in the test report and submit the revised one.

Also, please note that while it appears that only control codes are
produced by the device, a statement to the affect that only control codes are
used to produce a response in a receiver should be provided.
Sorry, we do not understand what you mean. Do you mean, the control in the receiver is done only by control code? Please advise us.

On the issue of spurious emissions not being higher than the fundamental
In the report for the Station modem, while the 106MHz spur can be explained
as coming from the switching power supply, the 5th through 10th harmonic
(those above 1 GHz) are still over the limit. I have a question to the FCC to
see if they will accept this since the device only outputs 35dB or so at the
fundamental. I will inform you of their decision on this matter.
As you said, those above 1GHz is higher than the level of the fundamental. However, as indicated on page 9 of test report No. 22IE0004-YW, the noise of EUT was not detected. Please note that they are base noises of the test equipment and the peak detector data.

Your advice is highly appreciated in advance.

Best regards,

Yukari Ito
A-Pex International Co., Ltd.