From: Mike Kuo
Sent: January15¤é2003¦~Wednesday 3:08 PM
To: 'Kyle Fujimoto'
Cc: 'scott@celectronics.com'
Subject: FW: Navcom Technology, Inc., FCC ID:QRL-SR7100, AN02T2476

Navcom has finally gotten all of the information.

Please also note we are revising the original NCU report due to resting the spectral density at the middle and high channels. This allowed us to increase the power for the low rate. The tests that were affected by this will be reuploaded along with the revised NCU test report body.

#1. The Tune Up Procedure has been revised and will show the measured output power (and NOT adding the 2dB in). The Tune Up Procedures are different for the NCU and SCU. The SCU is the unit with two antennas and had to have a lower power due to meeting the band edge requirements. Please note the Tune Up Procedures will reflect the LOWEST power measured at each rate (512 Kbps, 240 Kbps, and 96 Kbps). This is because the power can only be set at each rate and not at each channel.

#2. The antenna gain of the stub antenna is 0 dBi. Please see the Antenna Information exhibit

#3. This has bee revised at Page 3-9 of the revised user's manual. It now shows the correct antennas used with the devices.

#4. The external antenna has a 2 meter cable hard wired to it and cannot be taken off.

#5. The multiple radio unit is the SCU. The SCU's test report will be uploaded. It contains 2 radios in the same enclosure, each with its seperate antenna port. The separation distance between each radio and the antennas are shown in page 3-10 of the revised User's Manual. Also Pictures of the inside of the SCU will be shown. The SCU uses the same PCB's except for a different connector board (which will also be uploaded).

#6. Please see page 3-1 of the Revised User's Manual for the justification for requiring professional installation.

#7. The MPE estimate has been uploaded reflecting the highest power allowed by the tune up proceure + the highest gain antenna (5.5 dBi).

Any additional questions, please let me know.

-----Original Message-----
From: CERTADM
Sent: Wednesday, January 15, 2003 3:02 PM

To: 'mkuo@ccsemc.com'
Subject: Navcom Technology, Inc., FCC ID:QRL-SR7100, AN02T2476

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Question #1: In accordance with the tune up procedure provided (Xircom , Model No:M3AWEB56GA), the frequency range listed in the tune up procedures is from 2412 - 2484MHz. The frequency range listed in the tune up procedure does not agree with the subject application (2402.568- 2478.168MHz), please explain.

Question #2: What is the antenna gain for Stub antenna ?

Question #3: Page 3-5 of owner manual, it mentioned 0dBi embedded antenna and 6dBi with RF cable external antenna or 3dBi external antenna. The antenna specification provided include two antennas, one is stub antenna and the other one is base station antenna with 5.5dBi gain. Please confirm the type of antennas and the gain that this device will be sold with the unit.

Question #4: What the external antenna is used, does it required minimum cable length with specific cable lost ?

Question #5: In reference to own manual, the multiple radio unit can be used at the same time. Will multiple radio unit contain in a single enclosure ? Will multiple radio unit transmit via same antenna ? What is the separation distance between each radio unit at the installation site ?

Question #6: Does the subject device require professional installation ? If yes, please provide justification for requiring professional installation.

Question #7: Please provide MPE estimate.

Best Regards

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 60 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.