

**Douglas Young**

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**From:** ICACORP@aol.com  
**Sent:** Monday, November 21, 2005 4:36 PM  
**To:** Douglas Young  
**Subject:** Re: Confirmation number ELxxxxxx and Reference number xxxx

Mr. Young:

Thank you for the reply.

Yes, Go Networks will operate under Part 2.803 and label the product as per rule.

Again thank you and appreciate your help.

Regards,  
Jas Dhaliwal  
[icacprp@aol.com](mailto:icacprp@aol.com)

Mr. Dhaliwal:

I still don't totally understand your response. The question I need answered is: Can it be operated under Part 2.803 or not? If not, why not?

Doug Young  
Electronics Engineer  
Federal Communications Commission  
Experimental Licensing Branch  
Phone: (202) 418-2440  
Fax: (202) 418-1918  
Email: Douglas.Young@fcc.gov

-----Original Message-----

**From:** ICACORP@aol.com [mailto:ICACORP@aol.com]  
**Sent:** Monday, November 21, 2005 11:49 AM  
**To:** Douglas Young  
**Subject:** Re: Confirmation number ELxxxxxx and Reference number xxxx

Mr. Young:

Thank you for your reply and help.

I understand you concern that design must be verified in house in the R&D location to verify the performance. Designer has its limitation as we have tried all the resources in house but please try to understand that RF chain and amplifiers can be tested in door for various parameters not the ANTENNA. GO Networks wants to verify the Antenna performance which is the improved technology and invention of new technique.

Our technology is similar but not the same. As seen in this brochure, the ranges expected are in the order of hundreds of yards. Also the technology is optimized for outdoors, Non LOS environment. We do not expect the same reach as others (Vivato) since our power is lower and our antenna is smaller .

With 3 operating channels and ideal non interference conditions we expect total throughput of 20Mbps on the Ethernet connection. The partition between channels will not be equal: Some channel might carry users that have very good transmission properties with a load of more than 10Mbps, another might carry slower users with 4-6 Mbps, or users that operate only with the lower rate 802.11b (not 11g) which will support long range but smaller bandwidth.

Part of our outdoor testing is to evaluate the system capabilities in categorizing the users and connecting them with the most appropriate channel.

The Non LOS operation implies that in the NLOS cases the antenna will direct its beam not to the end-user but to another object that reflects the signal of this user.

11/23/2005

Your favorable consideration will give us opportunity to improve performance and perfect Antenna technology to serve better hence requesting you to grant STA for short time. I assure you that if Go Network could perform verification in house, no way I would have requested and taken your valuable time.

I shall be highly thankful for timely help to improve our design to serve better.

Regards,

Jas Dhaliwal

[icacorp@aol.com](mailto:icacorp@aol.com)

Mr. Dhaliwal:

My question pertaining to Part 15 was in regards to whether you even needed to file an application. Part 2.803 of the FCC's rules says you may operate equipment for testing and demonstration purposes without any license if the equipment would not need a license after equipment authorization.

"2.803(e)(1) Notwithstanding the provisions of paragraph (a) of this section, prior to equipment authorization or determination of compliance with the applicable technical requirements any radio frequency device may be operated, but not marketed, for the following purposes and under the following conditions:

- (i) Compliance testing;
- (ii) Demonstrations at a trade show provided the notice contained in paragraph (c) of this section is displayed in a conspicuous location on, or immediately adjacent to, the device;
- (iii) Demonstrations at an exhibition conducted at a business, commercial, industrial, scientific, or medical location, but excluding locations in a residential environment, provided the notice contained in paragraphs (c) or (d) of this section, as appropriate, is displayed in a conspicuous location on, or immediately adjacent to, the device;
- (iv) Evaluation of product performance and determination of customer acceptability, provided such operation takes place at the manufacturer's facilities during developmental, design, or pre-production states; or
- (v) Evaluation of product performance and determination of customer acceptability where customer acceptability of a radio frequency device cannot be determined at the manufacturer's facilities because of size or unique capability of the device, provided the device is operated at a business, commercial, industrial, scientific, or medical user's site, but not at a residential site, during the development, design or pre-production stages. A product operated under this provision shall be labelled, in a conspicuous location, with the notice in paragraph (c) of this section.

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(e)(3) The provisions of paragraphs (e)(1)(i), (e)(1)(ii), (e)(1)(iii), (e)(1)(iv), and (e)(1)(v) of this section do not eliminate any requirements for station licenses for products that normally require a license to operate, as specified elsewhere in this chapter.

(i) Manufacturers should note that station licenses are not required for some products, e.g., products operating under part 15 of this chapter and certain products operating under part 95 of this chapter."

After reading that, do you think you still need a Part 5 license? If so, what is the reason?

Doug Young  
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 Federal Communications Commission  
 Experimental Licensing Branch  
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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 30 days of November 15, 2005 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

-----Original Message-----

**From:** ICACORP@aol.com [mailto:[ICACORP@aol.com](mailto:ICACORP@aol.com)]

11/23/2005

**Sent:** Sunday, November 13, 2005 1:03 AM

**To:** Douglas Young

**Subject:** Confirmation number ELxxxxxx and Reference number xxxx

Mr. Young:

I am getting some error while submitting following reply through OET site and decided to send you directly.

Here it is:

Mr. Young:

Thank you for your help.

Added Confidentiality letter and ExhibitA item-by-item summary of of subparts 1-9 of FCC rule 0.459 (b).

This equipment has been tested with 20dbm output as per ETSI standard and will operate under part15 with lower power. As soon as we develop the unit with higher power that will be tested to FCC part 15 specification. Manufacturer would like to stay with Part 15 not part 5.

I have made change to application that was type of error as I forgotten to delete the line. I have deleted today.

Regards,

Jas Dhaliwal

510 821 4980 cell