

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WA2XMY

(Call Sign)

0292-EX-ST-1999

(File Number)

NAME Diversified Communication Engineering, Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Demonstration of Northpoint Technology to transmit in a southerly direction on the same frequencies as used by the DBS service.

Station Locations

- (1) Washington, DC - NL 38-55-27; WL 76-57-46
- (2) Washington, DC - NL 38-54-14; WL 77-02-27
- (3) Rosslyn, VA - NL 38-53-39; WL 77-04-11
- (4) Rosslyn, VA - NL 38-51-23; WL 76-59-00

Frequency Information

Washington, DC - NL 38-55-27; WL 76-57-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.2-12.7 GHz	FX	XXX	3.43 W (ERP)	
12.2-12.7 GHz	FX	G7W	3.43 W (ERP)	

Washington, DC - NL 38-54-14; WL 77-02-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.2-12.7 GHz	FX	G7W	3.43 W (ERP)	
12.2-12.7 GHz	FX	XXX	3.43 W (ERP)	

Rosslyn, VA - NL 38-53-39; WL 77-04-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.2-12.7 GHz	FX	XXX	3.43 W (ERP)	
12.2-12.7 GHz	FX	G7W	3.43 W (ERP)	

This authorization effective OCT 08, 1999 and
will expire 3:00 A.M. EST NOV 26, 1999

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Rosslyn, VA - NL 38-51-23; WL 76-59-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.2-12.7 GHz	FX	G7W	3.43 W (ERP)	
12.2-12.7 GHz	FX	XXX	3.43 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.152 of the Commission's Rules are waived.
- (3) Licensee is authorized to use various emissions and bandwidths during the experiment.
- (4) Beginning two weeks prior to any test period, the licensee will publish a notice in the newspaper circulated in the area of the test, generally describing the test, the dates and times of testing, the potential for interference to be caused to DBS subscribers and providing a phone number for DBS subscribers to call in case of interference.
- (5) If a DBS subscriber complains of interference because of the testing, testing shall be immediately suspended until the complaint can be investigated and resolved. The FCC and applicable DBS licensee shall be informed of the complaint immediately. If the complaint cannot be satisfactorily resolved, testing shall not continue.
- (6) Copies of the newspaper notice shall be sent to all DBS licensees with operations covering the United States in the 12.2-12.7 MHz band. The notice must be sent via certified mail to arrive not less than 5 days prior to commencement of testing.
- (7) Diversified Communications will deliver a detailed two-week test plan at least one week in advance to DIRECTV, EchoStar and OET. The first plan will be delivered on Wednesday August 4, 1999 and will include operations from August 5, 1999 to August 19, 1999. The next plan will be submitted August 11, 1999 and will cover operations from August 19 to September 8. Subsequent test plans will be provided every two weeks thereafter. The plans will include:
 - 1. Which antenna sites will be operational.
 - 2. Periods of time the sites will be transmitting.
 - 3. Orientation of the transmitting antenna(s), including beam tilt if appropriate.
 - 4. Center frequencies and bandwidths.
 - 5. Periods of time that specific frequencies will be used.

Bandwidth and power information is already contained in this authorization. Any deviation from the specified bandwidth and power will be communicated in advance to DIRECTV and EchoStar. Significant advance notice is not required for occasional schedule changes resulting from unanticipated testing requirements except when Diversified has scheduled a period during which it will not be conducting tests. Advance notice of one week is required before testing may begin during that period.

Special Conditions:

- (8) If a complaint of harmful interference is received by DIRECTV or EchoStar, the party receiving the complaint will notify Diversified. Both parties will make arrangements to visit the DIRECTV or EchoStar customer together for the purpose of determining if Diversified's tests are the source of the complaint. When at the customer's residence, on-off tests will be performed. If it is discovered that the Diversified tests are the source of the harmful interference, Diversified will cease testing immediately. Diversified will also cease testing immediately if harmful interference is detected by DIRECTV or EchoStar during their monitoring of Diversified's tests and confirmed by Diversified or by the Commission staff in the case of a dispute. Testing may not resume until Diversified has resolved the interference problem. No visit to a DIRECTV or EchoStar customer for the purpose of attempting to cure interference will be made by Diversified without prior notification by Diversified and a reasonable opportunity provided for DIRECTV or EchoStar to attend.

Diversified will notify Experimental Licensing Branch if it receives a harmful interference complaint.

- (9) This authorization does not provide authority to operate from additional sites. A specific, additional prior authorization will be required from the FCC prior to commencement of operation from additional sites.