

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WC9XMQ

(Call Sign)

0128-EX-ST-2006

(File Number)

NAME Space Data Corporation

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:

Research trials of iDEN wireless protocol on Space Data's platform network.

Station Locations

- (1) MOBILE: Area around Bismarck, ND at altitudes between 65,000 & 90,000 ft., within 200 km, centered around NL 46-46-26; WL 100-40-58
- (2) MOBILE: Area around Big Springs, TX at altitudes between 65,000 & 90,000 ft., within 200 km, centered around NL 23-17-59; WL 101-28-31
- (3) MOBILE: Area around Hector, MN at altitudes between 65,000 & 90,000 ft., within 200 km, centered around NL 44-44-39; WL 94-43-06

Frequency Information

MOBILE: Area around Bismarck, ND at altitudes between 65,000 & 90,000 ft., within 200 km, centered around NL 46-46-26; WL 100-40-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
863.6625 MHz	MO	25K0D7W	63 W (ERP)	0.0000124 %
864.8875 MHz	MO	25K0D7W	63 W (ERP)	0.0000124 %

This authorization effective March 31, 2006 and
will expire 3:00 A.M. EST September 30, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Area around Bismarck, ND at altitudes between 65,000 & 90,000 ft., within 200 km, centered around NL 46-46-26;
WL 100-40-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
865.6375 MHz	MO	25K0D7W	63 W (ERP)	0.0000124 %

MOBILE: Area around Big Springs, TX at altitudes between 65,000 & 90,000 ft., within 200 km, centered around NL 23-17-59; WL 101-28-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
863.6625 MHz	MO	25K0D7W	63 W (ERP)	0.0000124 %
864.8875 MHz	MO	25K0D7W	63 W (ERP)	0.0000124 %
865.6375 MHz	MO	25K0D7W	63 W (ERP)	0.0000124 %

MOBILE: Area around Hector, MN at altitudes between 65,000 & 90,000 ft., within 200 km, centered around NL 44-44-39;
WL 94-43-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
863.6625 MHz	MO	25K0D7W	63 W (ERP)	0.0000124 %
864.8875 MHz	MO	25K0D7W	63 W (ERP)	0.0000124 %
865.6375 MHz	MO	25K0D7W	63 W (ERP)	0.0000124 %

Special Conditions:

- (1) Operation is subject to prior coordination with the following SMR licensees: WNYR704, licensee Martin Warren; WNBG547, Pete's Communications Inc.; and KNCR558 - 21st Century Wireless Group Inc. Contact information for these licensees can be obtained by performing a call sign search on the FCC's Universal Licensing System at <http://wireless2.fcc.gov/UlsApp/UlsSearch/searchLicense.jsp>.