

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

EXPERIMENTAL

(Nature of Service)

WD9XJS

(Call Sign)

XT MO

(Class of Station)

0083-EX-ST-2009

(File Number)

NAME University of Colorado, Boulder

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:

Demo of smart radio technology

Station Locations

- (1) MOBILE: Airborne, less than 100 m, within 1 km, centered around NL 40-08-30; WL 105-14-30
- (2) MOBILE: Ground operation, within 1 km, centered around NL 40-08-30; WL 105-14-30

Frequency Information

MOBILE: Airborne, less than 100 m, within 1 km, centered around NL 40-08-30; WL 105-14-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
106.5 MHz	MO	50K0F3E	1 W (ERP)	0.00001 %
903.4 MHz	MO	350KV1W	1 W (ERP)	0.0001 %

This authorization effective March 22, 2009 and
will expire 3:00 A.M. EST September 22, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Airborne, less than 100 m, within 1 km, centered around NL 40-08-30; WL 105-14-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
948.4 MHz	MO	350KV1W	1 W (ERP)	0.0001 %

MOBILE: Ground operation, within 1 km, centered around NL 40-08-30; WL 105-14-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
106.5 MHz	MO	50K0F3E	1 W (ERP)	0.0001 %
903.4 MHz	MO	350KV1W	1 W (ERP)	0.0001 %
948.4 MHz	MO	350KV1W	1 W (ERP)	0.0001 %

Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.