

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE

EXPERIMENTAL

(Nature of Service)

WI2XVL

(Call Sign)

XC FX MO

(Class of Station)

0175-EX-CN-2017

(File Number)

NAME Quinteccent Inc

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(c) of the Commission's Rules

Station Locations

- (1) Radium Springs (DONA ANA), NM - NL 32-32-40; WL 106-47-44
- (2) Radium Springs (DONA ANA), NM - NL 32-32-54; WL 106-47-40; MOBILE: Radium Springs, NM, within 20 km, centered around NL 32-32-54; WL 106-47-40

Frequency Information

Radium Springs (DONA ANA), NM - NL 32-32-40; WL 106-47-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1-30 MHz	FX	NON	0.66 mW (ERP)	0.01 %
30-50 MHz	FX	NON	630 mW (ERP)	0.01 %
50-74.6 MHz	FX	NON	10 W (ERP)	0.01 %
75.4-108 MHz	FX	NON	10 W (ERP)	0.01 %

This authorization effective July 28, 2017 and
will expire 3:00 A.M. EST August 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Radium Springs (DONA ANA), NM - NL 32-32-40; WL 106-47-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138-150 MHz	FX	N0N	10 W (ERP)	0.01 %
150-225 MHz	FX	N0N N0N	22 W (ERP)	0.01 %
402-406 MHz	FX	N0N	20 W (ERP)	0.01 %
406.1-500 MHz	FX	N0N	20 W (ERP)	0.01 %

Radium Springs (DONA ANA), NM - NL 32-32-54; WL 106-47-40; MOBILE: Radium Springs, NM, within 20 km, centered aro

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-510 kHz	FX	N0N	20 W (ERP)	0.01 %
535-1000 kHz		N0N	20 W (ERP)	0.01 %
500-700 MHz	FX	N0N	20 W (ERP)	0.01 %
700-960 MHz	FX	N0N	500 mW (ERP)	0.01 %

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) User must design their antenna configuration so that the transmit antenna is NOT pointing eastwards, limiting the radiation to an azimuth between 170 degrees Reference True North (RTN), clockwise to 360 degrees RTN (North).
- (6) User must schedule their operations with the AFC-WSMR office, at least 96 hours in advance, via e-mail to usarmy.wsmr.imcom-central.list.dodafc@mail.mil. User will provide a final copy of the applicable FCC license.
- (7) Experimental licensee must coordinate with WSMR prior to operations.

DOD Area Frequency Coordinator, WSMR
ATTN: DoD AFC, WSMR
124 Crozier St.
White Sands, NM 88002-5526
COM: 575-678-5417 / Fax: 575-678-5281

Mr. Richard Wyman
NIPR: richard.j.wyman2.civ@mail.mil
COM: 575-678-3402, DSN 258

Mr. Ralph Walborn
NIPR: ralph.l.walborn.civ@mail.mil <<mailto:ralph.walborn@us.army.mil>>
COM: 575-678-1510

Mr. Gary Austin
NIPR: gary.l.austin.civ@mail.mil
COM 575-678-3311

- (8) Operation is not permitted in the following bands:
 - a. 74.6-75.4 MHz
 - b. 108-137 MHz
 - c. 328.6-335.4 MHz
 - d. 406-406.1 MHz
 - e. Avoid HF AM(R)S bands
- (9) Stop buzzer point of contact is Mr. Ken Limparis at (443) 838-5447.

Special Conditions:

- (10) The following frequencies are to be excluded from use in order to prevent harmful interference to NASA operations at White Sands Test Facility:
- 166.5250 MHz +/- 10 KHz
 - 166.8375 MHz +/- 10 KHz
 - 167.2750 MHz +/- 10 KHz
 - 168.4125 MHz +/- 10 KHz
 - 169.2125 MHz +/- 10 KHz
 - 407.2375 MHz +/- 10 KHz
 - 407.4375 MHz +/- 10 KHz
 - 407.6375 MHz +/- 10 KHz
 - 414.1375 MHz +/- 10 KHz
 - 416.2375 MHz +/- 10 KHz
 - 416.6375 MHz +/- 10 KHz
- (11) Operation is subject to consent of the following within 50 miles of the test area:
- o All 700 MHz licensees (698-758 MHz; 775-788 MHz)
 - o All Cellular licensees (824-849 MHz/869-894 MHz)
 - o Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 - o SMR licensees (809-824 MHz/854-869 MHz)
 - o SMR licensees (896-901 MHz/935-940 MHz)
- (12) Operation is subject to notification of the following within 50 miles of the test area:
- o Narrowband PCS licensees (901-902 MHz)
 - o Location & Monitoring Service licensees (902-928 MHz)
 - o All services in 220 MHz
 - o 218-219 MHz Service
 - o 220-222 MHz Service
 - o Paging Service licensees in 35 MHz, 43 MHz, 152 MHz, 158 MHz, 152 MHz/158 MHz and 454 MHz/459 MHz
 - o General Aviation Air-Ground Service in 454 MHz/459 MHz
 - o 1390-92 Band Licensees
 - o 1392-1395 MHz/1432-1435 MHz Band licensees
- (13) Coordinate with the affected Fixed Microwave Service licensees prior to operation in 700-960 MHz band.
- (14) Coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 1-30 MHz, 50-74.6 MHz, 75.4-108 MHz, 150-225 MHz, 406.1-500 MHz, 500-700 MHz and 700-960 MHz bands.
- (15) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number N66001-17-TA-005. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.