

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

EXPERIMENTAL

(Nature of Service)

WE2XGH

(Call Sign)

XD MO

(Class of Station)

0287-EX-PL-2007

(File Number)

NAME Duke Energy Carolinas, LLC

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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: McGuire Nuclear Station, primarily indoor use, within 2 km, centered around NL 35-25-59; WL 80-56-53
- (2) MOBILE: Catawba Nuclear Station, primarily indoor use, within 2 km, centered around NL 35-02-57; WL 81-04-20
- (3) MOBILE: Oconee Nuclear Station, primarily indoor use, within 2 km, centered around NL 34-47-39; WL 82-53-54

Frequency Information

MOBILE: McGuire Nuclear Station, primarily indoor use, within 2 km, centered around NL 35-25-59; WL 80-56-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150-150.8 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	

This authorization effective August 22, 2007 and
will expire 3:00 A.M. EST February 18, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: McGuire Nuclear Station, primarily indoor use, within 2 km, centered around NL 35-25-59; WL 80-56-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
157.0075-157.2175 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
157.1875-162.0125 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
162.0125-173.2 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E	250 mW (ERP)	

Frequency Information

MOBILE: McGuire Nuclear Station, primarily indoor use, within 2 km, centered around NL 35-25-59; WL 80-56-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
162.0125-173.2 MHz	MO	84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
173.2-173.4 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
173.4-174 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
174-216 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	

Frequency Information

MOBILE: McGuire Nuclear Station, primarily indoor use, within 2 km, centered around NL 35-25-59; WL 80-56-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
470-608 MHz	MO	190KG3E 200KF3E 180KF3E 190KF1E 160KF3E 90K0F3E 74K0F3E	250 mW (ERP)	
614-806 MHz	MO	190KG3E 200KF3E 91K0F3E	250 mW (ERP)	

MOBILE: Catawba Nuclear Station, primarily indoor use, within 2 km, centered around NL 35-02-57; WL 81-04-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150-150.8 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
150.8-157.0375 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E	250 mW (ERP)	

Frequency Information

MOBILE: Catawba Nuclear Station, primarily indoor use, within 2 km, centered around NL 35-02-57; WL 81-04-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	MO	84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
157.0075-157.2175 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
157.1875-162.0125 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
162.0125-173.2 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	

Frequency Information

MOBILE: Catawba Nuclear Station, primarily indoor use, within 2 km, centered around NL 35-02-57; WL 81-04-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
173.2-173.4 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
173.4-174 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
174-216 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
470-608 MHz	MO	90K0F3E 74K0F3E 190KG3E 200KF3E 180KF3E	250 mW (ERP)	

Frequency Information

MOBILE: Catawba Nuclear Station, primarily indoor use, within 2 km, centered around NL 35-02-57; WL 81-04-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
470-608 MHz	MO	190KF1E 160KF3E	250 mW (ERP)	
614-806 MHz	MO	190KG3E 200KF3E 91K0F3E	250 mW (ERP)	

MOBILE: Oconee Nuclear Station, primarily indoor use, within 2 km, centered around NL 34-47-39; WL 82-53-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150-150.8 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
150.8-157.0375 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	

Frequency Information

MOBILE: Oconee Nuclear Station, primarily indoor use, within 2 km, centered around NL 34-47-39; WL 82-53-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.0075-157.2175 MHz	MO	190KG3E	250 mW (ERP)	
		20K0F3E		
		20K4F3E		
		30K0F3E		
		44K0F3E		
		84K0F3E		
		80K0F3E		
		70K0F3E		
157.1875-162.0125 MHz	MO	190KG3E	250 mW (ERP)	
		20K0F3E		
		20K4F3E		
		30K0F3E		
		44K0F3E		
		84K0F3E		
		80K0F3E		
		70K0F3E		
162.0125-173.2 MHz	MO	190KG3E	250 mW (ERP)	
		20K0F3E		
		20K4F3E		
		30K0F3E		
		44K0F3E		
		84K0F3E		
		80K0F3E		
		70K0F3E		
173.2-173.4 MHz	MO	190KG3E	250 mW (ERP)	
		20K0F3E		
		20K4F3E		
		30K0F3E		
		44K0F3E		

Frequency Information

MOBILE: Oconee Nuclear Station, primarily indoor use, within 2 km, centered around NL 34-47-39; WL 82-53-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
173.2-173.4 MHz	MO	84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
173.4-174 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
174-216 MHz	MO	190KG3E 20K0F3E 20K4F3E 30K0F3E 44K0F3E 84K0F3E 80K0F3E 70K0F3E	250 mW (ERP)	
470-608 MHz	MO	190KG3E 200KF3E 180KF3E 190KF1E 160KF3E 90K0F3E 74K0F3E	250 mW (ERP)	

Frequency Information

MOBILE: Oconee Nuclear Station, primarily indoor use, within 2 km, centered around NL 34-47-39; WL 82-53-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
614-806 MHz	MO	190KG3E 200KF3E 91K0F3E	250 mW (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) 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.
- (3) Radios are not to go beyond the nuclear power plant property.