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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NASCAR R & D CENTER

NASCAR R & D CENTER
7010 W WINDS BLVD
CONCORD, NC 28027

Table with 2 columns: Call Sign (WRFN221), File Number (0008946750), Radio Service (IG - Industrial/Business Pool, Conventional), Regulatory Status (PMRS), Frequency Coordination Number (20200330153623)

FCC Registration Number (FRN): 0018403949

Table with 4 columns: Grant Date (03-31-2020), Effective Date (03-31-2020), Expiration Date (03-31-2030), Print Date (04-01-2020)

STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

- Loc. 1 Area of operation: Operating within a 20.0 km radius around 33-23-03.5 N, 084-18-59.3 W, Hampton, HENRY county, GA
Loc. 2 Area of operation: Operating within a 20.0 km radius around 36-30-54.9 N, 082-15-21.3 W, Bristol, SULLIVAN county, TN
Loc. 3 Area of operation: Operating within a 20.0 km radius around 34-05-14.6 N, 117-29-55.6 W, Fontana, SAN BERNARDINO county, CA
Loc. 4 Area of operation: Operating within a 20.0 km radius around 41-28-29.7 N, 088-03-29.8 W, Joliet, WILL county, IL
Loc. 5 Area of operation: Operating within a 20.0 km radius around 34-17-40.9 N, 079-54-20.0 W, Darlington, DARLINGTON county, SC
Loc. 6 Area of operation: Operating within a 20.0 km radius around 29-11-18.8 N, 081-04-09.0 W, Daytona Beach, VOLUSIA county, FL
Loc. 7 Area of operation: Operating within a 20.0 km radius around 39-11-28.7 N, 075-31-46.8 W, Dover, KENT county, DE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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**Fixed Location Address or Mobile Area of Operation**

- Loc. 8 Area of operation**  
Operating within a 20.0 km radius around 38-39-05.0 N, 090-08-10.9 W,  
Madison, ST. CLAIR county, IL
- Loc. 9 Area of operation**  
Operating within a 20.0 km radius around 25-27-12.8 N, 080-24-28.9 W,  
Homestead, MIAMI-DADE county, FL
- Loc. 10 Area of operation**  
Operating within a 20.0 km radius around 39-47-31.6 N, 086-14-15.3 W,  
Indianapolis, MARION county, IN
- Loc. 11 Area of operation**  
Operating within a 20.0 km radius around 38-09-35.7 N, 122-27-14.8 W,  
Sonoma, SONOMA county, CA
- Loc. 12 Area of operation**  
Operating within a 20.0 km radius around 39-06-59.3 N, 094-49-50.9 W,  
Kansas City, WYANDOTTE county, KS
- Loc. 13 Area of operation**  
Operating within a 20.0 km radius around 38-42-39.0 N, 084-54-57.0 W,  
Sparta, GALLATIN county, KY
- Loc. 14 Area of operation**  
Operating within a 20.0 km radius around 36-16-26.4 N, 115-00-35.3 W,  
Las Vegas, CLARK county, NV
- Loc. 15 Area of operation**  
Operating within a 20.0 km radius around 35-21-10.4 N, 080-41-01.8 W,  
Concord, CABARRUS county, NC
- Loc. 16 Area of operation**  
Operating within a 20.0 km radius around 40-48-39.3 N, 082-29-41.9 W,  
Mansfield, RICHLAND county, OH
- Loc. 17 Area of operation**  
Operating within a 20.0 km radius around 36-38-02.7 N, 079-51-06.6 W,  
Martinsville, HENRY county, VA
- Loc. 18 Area of operation**  
Operating within a 20.0 km radius around 35-16-58.8 N, 089-56-52.1 W,  
Memphis, SHELBY county, TN
- Loc. 19 Area of operation**  
Operating within a 20.0 km radius around 42-03-59.5 N, 084-14-33.7 W,  
Brooklyn, LENAWEE county, MI
- Loc. 20 Area of operation**  
Operating within a 20.0 km radius around 43-01-14.8 N, 088-00-41.6 W,  
West Allis, MILWAUKEE county, WI
- Loc. 21 Area of operation**  
Operating within a 20.0 km radius around 36-02-46.6 N, 086-24-25.7 W,  
Lebanon, WILSON county, TN

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**Fixed Location Address or Mobile Area of Operation**

- Loc. Area of operation**  
22 Operating within a 20.0 km radius around 43-21-52.7 N, 071-27-36.4 W, Loudon, MERRIMACK county, NH
- Loc. Area of operation**  
23 Operating within a 20.0 km radius around 39-48-43.1 N, 086-20-27.5 W, Indianapolis, HENDRICKS county, IN
- Loc. Area of operation**  
24 Operating within a 20.0 km radius around 33-22-33.2 N, 112-18-36.4 W, Avondale, MARICOPA county, AZ
- Loc. Area of operation**  
25 Operating within a 20.0 km radius around 41-03-13.9 N, 075-30-35.3 W, Long Pond, MONROE county, PA
- Loc. Area of operation**  
26 Operating within a 20.0 km radius around 37-35-33.5 N, 077-25-17.1 W, Richmond, HENRICO county, VA
- Loc. Area of operation**  
27 Operating within a 20.0 km radius around 33-34-05.4 N, 086-04-10.0 W, Talladega, TALLADEGA county, AL
- Loc. Area of operation**  
28 Operating within a 20.0 km radius around 33-02-17.0 N, 097-16-56.8 W, Fort Worth, DENTON county, TX
- Loc. Area of operation**  
29 Operating within a 20.0 km radius around 42-20-21.2 N, 076-55-42.7 W, Watkins Glen, SCHUYLER county, NY
- Loc. Area of operation**  
30 Operating within a 20.0 km radius around 33-23-03.5 N, 084-18-59.3 W, Hampton, HENRY county, GA
- Loc. Area of operation**  
31 Operating within a 20.0 km radius around 36-30-54.9 N, 082-15-21.3 W, Bristol, SULLIVAN county, TN
- Loc. Area of operation**  
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- Loc. Area of operation**  
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- Loc. Area of operation**  
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- Loc. Area of operation**  
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- Loc. Area of operation**  
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- Loc. Area of operation**  
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**44** Operating within a 20.0 km radius around 35-21-10.4 N, 080-41-01.8 W, Concord, CABARRUS county, NC
- Loc. Area of operation**  
**45** Operating within a 20.0 km radius around 40-48-39.3 N, 082-29-41.9 W, Mansfield, RICHLAND county, OH
- Loc. Area of operation**  
**46** Operating within a 20.0 km radius around 36-38-02.7 N, 079-51-06.6 W, Martinsville, HENRY county, VA
- Loc. Area of operation**  
**47** Operating within a 20.0 km radius around 35-16-58.8 N, 089-56-52.1 W, Memphis, SHELBY county, TN
- Loc. Area of operation**  
**48** Operating within a 20.0 km radius around 42-03-59.5 N, 084-14-33.7 W, Brooklyn, LENAWEE county, MI
- Loc. Area of operation**  
**49** Operating within a 20.0 km radius around 43-01-14.8 N, 088-00-41.6 W, West Allis, MILWAUKEE county, WI

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- Loc. Area of operation**  
**50** Operating within a 20.0 km radius around 36-02-46.6 N, 086-24-25.7 W, Lebanon, WILSON county, TN
- Loc. Area of operation**  
**51** Operating within a 20.0 km radius around 43-21-52.7 N, 071-27-36.4 W, Loudon, MERRIMACK county, NH
- Loc. Area of operation**  
**52** Operating within a 20.0 km radius around 39-48-43.1 N, 086-20-27.5 W, Indianapolis, HENDRICKS county, IN
- Loc. Area of operation**  
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- Loc. Area of operation**  
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- Loc. Area of operation**  
**58** Operating within a 20.0 km radius around 42-20-21.2 N, 076-55-42.7 W, Watkins Glen, SCHUYLER county, NY

**Antennas**

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meter	Construct Deadline Date
1	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000		s	
1	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
1	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
1	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
1	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			

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2	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
2	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
2	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
2	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
2	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
3	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
3	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
3	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
3	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
3	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
4	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
4	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
4	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
4	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
4	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
5	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
5	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
5	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
5	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
5	1	000462.51250000	FB2T	1		7K60FXE	6.000	6.000			

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6	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
6	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
6	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
6	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
6	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
7	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
7	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
7	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
7	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
7	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
8	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
8	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
8	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
8	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
8	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
9	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
9	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
9	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
9	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
9	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			

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10	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
10	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
10	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
10	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
10	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
11	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
11	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
11	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
11	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
11	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
12	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
12	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
12	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
12	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
13	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
13	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
13	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
13	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
13	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
14	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			



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15	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
15	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
15	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
15	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
15	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
16	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
16	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
16	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
16	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
16	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
17	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
17	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
17	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
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17	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
18	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
18	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
18	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
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19	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
19	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
19	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
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19	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
20	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
20	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
20	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
20	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
20	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
21	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
21	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
21	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
21	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
21	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
22	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
22	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
22	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
22	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
22	1	000462.51250000	FB2T	1		7K60FXE	6.000	6.000			

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23	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
23	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
23	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
23	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
24	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
24	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
24	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
24	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
24	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
25	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
25	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
25	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
25	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
26	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
26	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
26	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
26	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
26	1	000462.51250000	FB2T	1		7K60FXE	6.000	6.000			
27	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			

Licensee Name: NASCAR R & D CENTER

Call Sign: WRFN221

File Number: 0008946750

Print Date: 04-01-2020

Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meter s	Construct Deadline Date
27	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
27	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
27	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
27	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
28	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
28	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
28	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
28	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
29	1	000462.21250000	FB2T	1		7K60FXE	6.000	6.000			
29	1	000462.28750000	FB2T	1		7K60FXE	6.000	6.000			
29	1	000462.36250000	FB2T	1		7K60FXE	6.000	6.000			
29	1	000462.43750000	FB2T	1		7K60FXE	6.000	6.000			
29	1	000463.26250000	FB2T	1		7K60FXE	6.000	6.000			
30	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
30	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
30	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
30	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
30	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
31	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
31	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021

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Print Date: 04-01-2020

Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meter s	Construct Deadline Date
31	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
31	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
31	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
32	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
32	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
32	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
32	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
32	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
33	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
33	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
33	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
33	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
33	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
34	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
34	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
34	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
34	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
34	1	000467.51250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
35	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
35	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021

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Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meter s	Construct Deadline Date
35	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
35	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
35	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
36	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
36	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
36	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
36	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
36	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
37	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
37	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
37	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
37	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
37	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
38	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
38	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
38	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
38	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
38	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
39	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
39	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021

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Print Date: 04-01-2020

Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meter s	Construct Deadline Date
39	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
39	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
39	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
40	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
40	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
40	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
40	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
40	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
41	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
41	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
41	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
41	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
42	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
42	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
42	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
42	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
42	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
43	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
44	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
44	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021

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Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meter s	Construct Deadline Date
44	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
44	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
44	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
45	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
45	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
45	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
45	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
45	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
46	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
46	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
46	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
46	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
46	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
47	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
47	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
47	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
47	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
47	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
48	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
48	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021



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Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meter s	Construct Deadline Date
48	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
48	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
48	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
49	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
49	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
49	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
49	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
49	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
50	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
50	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
50	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
50	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
50	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
51	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
51	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
51	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
51	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
51	1	000467.51250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
52	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
52	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021

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Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meter s	Construct Deadline Date
52	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
52	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
52	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
53	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
53	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
53	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
53	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
53	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
54	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
54	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
54	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
54	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
55	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
55	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
55	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
55	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
55	1	000467.51250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
56	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
56	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
56	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021

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Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meter s	Construct Deadline Date
56	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
56	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
57	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
57	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
57	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
57	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
58	1	000467.21250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
58	1	000467.28750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
58	1	000467.36250000	MO	700		7K60FXE	6.000	6.000			03-31-2021
58	1	000467.43750000	MO	700		7K60FXE	6.000	6.000			03-31-2021
58	1	000468.26250000	MO	700		7K60FXE	6.000	6.000			03-31-2021

Control Points

Control Pt. No. 1

Address: 7010 W Winds Blvd

City: Concord County: CABARRUS State: NC Telephone Number: (704)720-3105

Associated Call Signs

**Licensee Name:** NASCAR R & D CENTER

**Call Sign:** WRFN221

**File Number:** 0008946750

**Print Date:** 04-01-2020

**Waivers/Conditions:**

Antenna structures for land, base and fixed stations authorized for operation at temporary unspecified locations may be erected without specific prior approval of the Commission where such antenna structures do not exceed a height of 60.96 meters (200 feet) above ground level; provided that the overall height of such antennas more than 6.10 meters (20 feet) above ground, including their supporting structures (whether natural formation or man-made), do not exceed any of the slope ratios set forth in Section 17.7(b). Any antenna to be erected in excess of the foregoing limitations requires prior Commission approval. Licensees seeking such approval should file application for modification of license. In addition, notification to the Federal Aviation Administration is required whenever the antenna will exceed 60.96 meters (200 feet) above the ground and whenever notification is otherwise required by Section 17.7 of the Commission's Rules. Such notification should be given by filing FAA Form 7460-1, Notice of Proposed Construction or Alteration, in duplicate, with the nearest office of the Federal Aviation Administration, which form is available from that office.

Temporary operations are authorized on a secondary basis and must protect all exclusive or centralized trunked licensees pursuant to Rule § 90.187, regardless of whether the temporary operations were authorized before or after the exclusive or centralized trunked licensee