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Federal Communications Commission
Public Safety and Homeland Security Bureau

RADIO STATION AUTHORIZATION

LICENSEE: FREDERICK COUNTY FIRE AND RESCUE
 DEPARTMENT

ATTN: DENNIS LINABURG, CHIEF
 FREDERICK COUNTY FIRE AND RESCUE DEPARTMENT
 1080 COVERSTONE DRIVE
 WINCHESTER, VA 22602

Call Sign KAR780	File Number
Radio Service PW - Public Safety Pool, Conventional	
Regulatory Status PMRS	
Frequency Coordination Number	

FCC Registration Number (FRN): 0005024468

Grant Date 09-14-2012	Effective Date 03-21-2022	Expiration Date 11-02-2022	Print Date
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STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

- Loc. 1 Area of operation**
 Operating within a 40.0 km radius around 39-05-00.0 N, 078-13-00.0 W,
 STEPHENS CITY, FREDERICK county, VA
- Loc. 2 Address:** NEAR GREAT NORTH MOUNTAIN NEAR PINACLE RIDGE
City: WINCHESTER **County:** FREDERICK **State:** VA
Lat (NAD83): 39-11-35.8 N **Long (NAD83):** 078-22-17.1 W **ASR No.:** N/A **Ground Elev:** 696.0
- Loc. 3 Address:** 205 BROWN LN
City: CLEAR BROOK **County:** FREDERICK **State:** VA
Lat (NAD83): 39-16-31.0 N **Long (NAD83):** 078-06-54.0 W **ASR No.:** 1017991 **Ground Elev:** 246.6
- Loc. 4 Address:** 121 SOLDIERS REST LN
City: WINCHESTER **County:** FREDERICK **State:** VA
Lat (NAD83): 39-07-26.0 N **Long (NAD83):** 078-12-43.0 W **ASR No.:** 1025561 **Ground Elev:** 246.8
- Loc. 5 Area of operation**
 Countywide: FREDERICK, VA
- Loc. 6 Address:** 311 CROSS JUNCTION ROAD (VA13507-A)
City: CROSS JUNCTION **County:** FREDERICK **State:** VA
Lat (NAD83): 39-19-10.2 N **Long (NAD83):** 078-17-37.6 W **ASR No.:** 1234139 **Ground Elev:** 297.5
- Loc. 7 Address:** 1080 COVERSTONE DRIVE
City: WINCHESTER **County:** FREDERICK **State:** VA
Lat (NAD83): 39-09-01.0 N **Long (NAD83):** 078-08-57.0 W **ASR No.:** **Ground Elev:** 226.0

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 Address: 9381 NORTH FREDERICK PIKE

City: CROSS JUNCTION **County:** FREDERICK **State:** VA

Lat (NAD83): 39-23-11.3 N **Long (NAD83):** 078-18-08.0 W **ASR No.:** **Ground Elev:** 352.0

Loc. 9 Area of operation

Operating within a 64.0 km radius around fixed location 2

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 meters	Construct Deadline Date
1	1	000154.22000000	MO	300		11K2F3E 8K10F1E	100.000	100.000			
1	1	000154.28000000	MO	300		11K2F3E 8K10F1E	100.000	100.000			
1	1	000154.34000000	MO	300		11K2F3E 8K10F1E	100.000	100.000			
1	1	000154.37000000	MO	300		11K2F3E 8K10F1E	100.000	100.000			
1	1	000155.20500000	MO	300		11K2F3E 8K10F1E	100.000	100.000			08-12-2003
1	1	000155.26500000	MO	300		11K2F3E 8K10F1E	100.000	100.000			08-12-2003
1	1	000155.28000000	MO	300		11K2F3E 8K10F1E	100.000	100.000			08-12-2003
1	1	000155.29500000	MO	300		11K2F3E 8K10F1E	100.000	100.000			08-12-2003
1	1	000155.17500000	MO	300		11K2F3E 8K10F1E	100.000	100.000			08-12-2003
1	1	000154.43000000	MO	300		11K2F3E 8K10F1E	100.000	100.000			08-12-2003
1	1	000158.90250000	MO	300		11K2F3E 8K10F1E	45.000	45.000			05-22-2007
1	1	000150.80500000	MO	150		11K2F3E 8K10F1E	45.000	45.000			05-22-2007

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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 meters	Construct Deadline Date
1	1	000154.10750000	MO	300		11K2F3E 8K10F1E	45.000	45.000			05-22-2007
1	1	000155.96250000	MO	150		11K2F3E 8K10F1E	45.000	45.000			05-22-2007
1	1	000158.96250000	MO	300		11K2F3E 8K10F1E	50.000	50.000			11-15-2007
1	1	000158.94750000	MO	300		11K2F3E 8K10F1E	50.000	100.000			11-23-2010
1	1	000460.53750000	MO3	5		11K2F3E 8K10F1E	5.000	5.000			11-23-2010
1	1	000465.53750000	MO	5		11K2F3E 8K10F1E	2.000	2.000			11-23-2010
1	1	000465.53750000	MO3	5		11K2F3E 8K10F1E	5.000	5.000			11-23-2010
1	1	000460.53750000	MO	5		11K2F3E 8K10F1E	2.000	2.000			11-23-2010
1	1	000465.33750000	MO	100		11K2F3E 8K10F1E	25.000	50.000			10-04-2013
1	1	000458.57500000	MO	100		11K2F3E 8K10F1E	25.000	50.000			10-04-2013
1	1	000453.38750000	MO	100		11K2F3E 8K10F1E	50.000	50.000			03-04-2016
1	1	000460.17500000	MO	100		11K2F3E 8K10F1E	50.000	50.000			03-04-2016
1	1	000460.62500000	MO	100		11K2F3E 8K10F1E	50.000	50.000			03-04-2016
1	1	000453.20000000	MO	100		11K2F3E 8K10F1E	50.000	50.000			03-04-2016
1	1	000458.38750000	MO	100		11K2F3E 8K10F1E	50.000	50.000			03-04-2016

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1	1	000465.17500000	MO	100		11K2F3E 8K10F1E	50.000	50.000			03-04-2016
1	1	000465.62500000	MO	100		11K2F3E 8K10F1E	50.000	50.000			03-04-2016
1	1	000458.20000000	MO	100		11K2F3E 8K10F1E	50.000	50.000			03-04-2016
2	1	000154.28000000	FB	1		11K2F3E 8K10F1E	60.000	45.000	37.2	401.1	
2	1	000154.34000000	FB	1		11K2F3E 8K10F1E	60.000	45.000	37.2	401.1	
2	1	000155.26500000	FB	1		11K2F3E 8K10F1E	60.000	45.000	37.2	401.1	08-12-2003
2	1	000154.22000000	FB2	1		11K2F3E 8K10F1E	60.000	110.000	37.2	401.1	08-12-2003
2	1	000154.37000000	FB	1		11K2F3E 8K10F1E	60.000	45.000	37.2	401.1	08-12-2003
2	1	000155.20500000	FB	1		11K2F3E 8K10F1E	60.000	45.000	37.2	401.1	08-12-2003
2	1	000155.28000000	FB	1		11K2F3E 8K10F1E	60.000	45.000	37.2	401.1	08-12-2003
2	1	000155.29500000	FB2	1		11K2F3E 8K10F1E	60.000	110.000	37.2	401.1	08-12-2003
2	2	000155.96250000	FB2	1		11K2F3E 8K10F1E	45.000	45.000	13.0	376.9	05-22-2007
2	3	000460.33750000	FB2	1		11K2F3E 8K10F1E	45.000	60.000	37.2	401.1	11-23-2010
2	4	000453.38750000	FB2	1		11K2F3E 8K10F1E	45.000	60.000	37.2	401.1	03-04-2016
2	4	000460.17500000	FB2	1		11K2F3E 8K10F1E	45.000	60.000	37.2	401.1	03-04-2016

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3	1	000154.22000000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	69.4	
3	1	000154.37000000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	69.4	
3	1	000154.28000000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	69.4	08-12-2003
3	1	000154.34000000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	69.4	08-12-2003
3	1	000155.20500000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	69.4	08-12-2003
3	1	000155.26500000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	69.4	08-12-2003
3	1	000155.28000000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	69.4	08-12-2003
3	1	000155.29500000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	69.4	08-12-2003
3	2	000460.62500000	FB2	1		11K2F3E 8K10F1E	45.000	60.000	34.8	69.4	03-04-2016
4	1	000154.22000000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	46.5	08-12-2003
4	1	000154.28000000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	46.5	08-12-2003
4	1	000154.34000000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	46.5	08-12-2003
4	1	000154.37000000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	46.5	08-12-2003
4	1	000155.20500000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	46.5	08-12-2003
4	1	000155.26500000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	46.5	08-12-2003

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4	1	000155.28000000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	46.5	08-12-2003
4	1	000155.29500000	FB	1		11K2F3E 8K10F1E	110.000	85.000	33.8	46.5	08-12-2003
5	1	000154.10750000	FB2T	1		11K2F3E 8K10F1E	45.000	45.000			
5	1	000155.96250000	FB2T	1		11K2F3E 8K10F1E	45.000	45.000			
6	1	000155.17500000	FB	1		11K2F3E 8K10F1E	60.000	100.000	30.5	26.8	11-15-2007
6	2	000453.57500000	FB2	1		11K2F3E 8K10F1E	45.000	60.000	30.5	33.5	10-04-2013
7	1	000458.57500000	FX1	1		11K2F3E 8K10F1E	20.000	20.000	9.1	12.5	11-15-2007
7	2	000154.22000000	FB	1		11K2F3E 8K10F1E	45.000	60.000	14.9	18.3	03-14-2008
7	3	000154.28000000	FB	1		11K2F3E 8K10F1E	45.000	60.000	14.9	18.3	03-14-2008
7	4	000465.33750000	FX1	1		11K2F3E 8K10F1E	45.000	20.000	9.1	12.5	11-23-2010
8	1	000155.17500000	FB	1		11K2F3E 8K10F1E	45.000	45.000	17.0	51.3	05-28-2009
8	2	000453.57500000	FX2	1		11K2F3E 8K10F1E	20.000	20.000	15.0	49.3	05-28-2009
9	1	000154.22000000	MO	300		11K2F3E 8K10F1E	100.000	100.000			07-27-2019
9	1	000155.29500000	MO	300		11K2F3E 8K10F1E	100.000	100.000			07-27-2019

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Control Points

Control Pt. No. 1

Address: 1080 COVERSTONE DRIVE

City: WINCHESTER **County:** FREDERICK **State:** VA **Telephone Number:** (540)665-5645

Associated Call Signs

<NA>

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.

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.