

Exhibit #17  
ENVIRONMENTAL PROTECTION ACT  
1400, Inc.  
Long Form Application 349  
BNPFT-20030312AOR  
Blue Earth, Minnesota  
March 2013

CH 247

0.25 kW H & V

The applicant proposes the use of existing registered tower ASR #1024141, constructed in 1993. Since this tower was constructed prior to March, 2001, and the applicant proposes no change to the tower structure or profile, it is exempt from further environmental testing.

The proposed one-bay, circularly polarized antenna will be energized such that it produces 0.25 kW effective radiated power (ERP) in both the horizontal and vertical planes, from a center of radiation of 71 meters above ground. Using the formulas expressed in the OET Bulletin, No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", published by the Federal Communication Commission's Office of Science and Engineering, and then by applying a combination of the element and array pattern as defined in E.P.A. study PB85-245868 ("**Engineering Assessment of the Potential Impact of the Federal Radiation Protection Guidance on the AM, FM and TV Broadcast Services**") the predicted level of RF non-ionization emissions at a position of 2 meters above ground (head-height) at the base of the tower for the proposed 1-bay ERI 100A (Type #3) antenna is 0.105 microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ ), which is 0.011 percent of the maximum for a controlled area and 0.053 percent of the maximum for an uncontrolled area.

There is one FM radio station, two FM translator stations, two FM translator applications and seven active communications antennas on the tower. Lists of these stations are found attached. However, since the predicted level of emissions for the instant proposal is less than 1% of maximum, no further calculations were deemed necessary.

The applicant will protect workers on the tower by either reducing ERP or terminating transmission.

Consequently, it appears that the proposed FM translator will be in full compliance with the Commission's human exposure to radiofrequency electromagnetic field rules and regulations.

ID Stations Study at 43 40 01 N, 94 07 19 W, Search Distance = 1 km




Call	Serv.	City	State	Ch.	Power	Coordinates	
Dist-km	Azimuth		File Number				
AM	-----	None Found	-----				
FM	-----		-----				
K222BA	X	Blue Earth	MN	222D	0000.099kW	434001N	940719W
000.0		160.6	BLFT20050606AHA FM				
633495	X	Blue Earth	MN	237D	0000.250kW	434001N	940719W
000.0		160.6	BNPFT20030312AOX FM				
633480	X	Blue Earth	MN	247D	0000.250kW	434001N	940719W
000.0		160.6	BNPFT20030312AOR FM - Short form proposal				
KBEWFM	M	Blue Earth	MN	251C3	0025.000kW	434001N	940719W
000.0		160.6	BLH19940105KD FM				
K270AQ	X	Blue Earth	MN	270D	0000.250kW	434001N	940719W
000.0		160.6	BLFT20050606AHC FM				
633488	X	Blue Earth	MN	300D	0000.250kW	434001N	940719W
000.0		160.6	BNPFT20030312AOW FM - reduced to 0.099 kW				
TV	-----	None Found	-----				

## License Search

## Search Results

## Specified Search

ASR Number like **1024141**Status = **Active**Matches **1- 7** (of **7** )

 = Pending Application(s)  
 = Termination Pending  
 = Lease

Call Sign/Lease ID	Name	FRN	Radio Service	Status	Expiration Date
1 KNKN572	New Cingular Wireless PCS, LLC	0003291192	CL	Active	10/01/2021
2 WPDU983	Alpha Wireless Communications	0004782413	YX	Active	12/16/2018
3 WPPX390	ALPHA WIRELESS COMMUNICATIONS CO	0004782413	YB	Active	02/25/2015
4 WPQB449	ALPHA WIRELESS COMMUNICATIONS	0004782413	YG	Active	05/05/2015
5 WPXD319	WEERTS CONSTRUCTION, INC.	0004367900	GB	Active	03/10/2013
6 WPXD491	21ST CENTURY WIRELESS GROUP INC	0005677760	GB	Active	03/11/2013
7 WPXS349	Faribault County Of	0002609386	GP	Active	06/02/2013

Call Sign/Lease ID	Name	FRN	Radio Service	Status	Expiration Date
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