

APPLICATION FOR A FM BROADCAST STATION LICENSE

FCC FORM 302

File Number – BPH-20001212ABV

WPKR

(Facility Number 42093)

Omro, Wisconsin

CHANNEL 258 – 99.5 MHz

APPLICANT: Cumulus Licensing LLC

January, 2004

Prepared by:



BROADCAST TECHNICAL CONSULTANTS

12585 Old Highway 280 East, Suite 102
Chelsea, Alabama 35043
(205) 618-2020

ENGINEERING STATEMENT

Of

Lee S. Reynolds

And

Virgle Leon Strickland

In Support of an

Application for a

FM Broadcast License

WPKR

Omro, Wisconsin

Channel 258 – 99.5 MHz

January, 2004

General

As broadcast technical consultants doing business as Reynolds Technical Associates (“RTA”), we have been authorized by Cumulus Licensing LLC (herein referred to as “Cumulus” as well as “The Applicant”), to prepare the engineering portion of an application for a license (FCC Form 302) for WPKR, Omro, Wisconsin.

The Applicant was issued a construction permit (file number BPH-20001212ABV) authorizing construction of the main facility of WPKR.

Beam Tilt
(Exhibit E, Figure 1)

The transmitter facility has been completed as authorized by the construction permit, with one exception. The installed antenna utilizes beam tilt and the Applicant is therefore requesting beam tilt. Exhibit E, Figure 1 is the tabulation of elevation pattern of the installed antenna.

Special Operating Condition Number 1
(Human Exposure to Radiofrequency Radiation)
(No Exhibit)

An agreement is in place stating: To prevent excessive human exposure to radiofrequency radiation, the licensee will reduce power or cease operation, whichever is necessary to protect persons having access to the site/tower. This addresses special operating condition 1.

Conclusion

This statement/application has been prepared for The Applicant by utilizing the information supplied by the Applicant. We welcome the opportunity to discuss with the staff of the Federal Communications Commission the engineering data contained in this application. Should any questions arise concerning the information, please contact us.

The following pages are exhibits prepared and assembled in support of the proposed.

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Statement of the Consultants

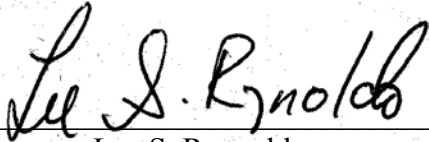
The instant engineering statement was prepared for “The Applicant” and supports an application for a FM Broadcast station license for WPKR, Omro, Wisconsin. It was developed by RTA and may not be used for purposes other than submission to the Commission by the applicant.

It may not be reproduced in its entirety, or in part, by anyone (other than from the Commission) without the written consent of RTA.

It is prepared for The Applicant under contractual agreement, and its certification by RTA is used accordingly. If The Applicant fails in its contractual obligation, RTA reserve the right to withdraw its certification.

The information in this application is compiled from the most recent Commission and outside data. RTA is not responsible for errors resulting from incorrect data or unpublished rule and procedure changes.

For RTA:



Lee S. Reynolds

January 23rd, 2004

12585 Old Highway 280 East, Suite 102
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(205) 618-2020



Proposal Number **76066**
 Date **August 27, 2003**
 Call Letters **WPKR**
 Location **Omro, WI**
 Customer **Cumulus**
 Antenna Type **DCRC6C5RT5**
 Frequency **99.50 MHz**
 Drawing #: **15**

TABULATION OF ELEVATION PATTERN

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.00	0.570	10.50	0.611	31.00	0.184	51.50	0.100	72.00	0.031
-9.50	0.604	11.00	0.577	31.50	0.180	52.00	0.102	72.50	0.029
-9.00	0.638	11.50	0.543	32.00	0.174	52.50	0.103	73.00	0.027
-8.50	0.670	12.00	0.509	32.50	0.168	53.00	0.103	73.50	0.026
-8.00	0.702	12.50	0.474	33.00	0.161	53.50	0.104	74.00	0.024
-7.50	0.733	13.00	0.440	33.50	0.154	54.00	0.104	74.50	0.022
-7.00	0.763	13.50	0.405	34.00	0.146	54.50	0.104	75.00	0.021
-6.50	0.791	14.00	0.371	34.50	0.138	55.00	0.103	75.50	0.019
-6.00	0.818	14.50	0.337	35.00	0.129	55.50	0.102	76.00	0.018
-5.50	0.844	15.00	0.303	35.50	0.120	56.00	0.102	76.50	0.017
-5.00	0.867	15.50	0.270	36.00	0.111	56.50	0.100	77.00	0.016
-4.50	0.890	16.00	0.237	36.50	0.101	57.00	0.099	77.50	0.014
-4.00	0.910	16.50	0.205	37.00	0.092	57.50	0.098	78.00	0.013
-3.50	0.928	17.00	0.174	37.50	0.082	58.00	0.096	78.50	0.012
-3.00	0.945	17.50	0.144	38.00	0.072	58.50	0.094	79.00	0.011
-2.50	0.959	18.00	0.115	38.50	0.062	59.00	0.092	79.50	0.011
-2.00	0.972	18.50	0.087	39.00	0.052	59.50	0.090	80.00	0.010
-1.50	0.982	19.00	0.060	39.50	0.043	60.00	0.088	80.50	0.009
-1.00	0.990	19.50	0.034	40.00	0.033	60.50	0.086	81.00	0.008
-0.50	0.995	20.00	0.010	40.50	0.024	61.00	0.083	81.50	0.008
0.00	0.999	20.50	0.014	41.00	0.014	61.50	0.081	82.00	0.007
0.50	1.000	21.00	0.035	41.50	0.005	62.00	0.078	82.50	0.006
1.00	0.999	21.50	0.056	42.00	0.003	62.50	0.076	83.00	0.006
1.50	0.996	22.00	0.075	42.50	0.012	63.00	0.073	83.50	0.005
2.00	0.990	22.50	0.092	43.00	0.020	63.50	0.071	84.00	0.005
2.50	0.982	23.00	0.109	43.50	0.028	64.00	0.068	84.50	0.005
3.00	0.972	23.50	0.123	44.00	0.035	64.50	0.066	85.00	0.004
3.50	0.960	24.00	0.136	44.50	0.042	65.00	0.063	85.50	0.004
4.00	0.946	24.50	0.148	45.00	0.049	65.50	0.061	86.00	0.004
4.50	0.930	25.00	0.159	45.50	0.055	66.00	0.058	86.50	0.003
5.00	0.911	25.50	0.168	46.00	0.061	66.50	0.055	87.00	0.003
5.50	0.891	26.00	0.175	46.50	0.067	67.00	0.053	87.50	0.003
6.00	0.870	26.50	0.181	47.00	0.072	67.50	0.051	88.00	0.003
6.50	0.846	27.00	0.186	47.50	0.077	68.00	0.048	88.50	0.003
7.00	0.821	27.50	0.190	48.00	0.081	68.50	0.046	89.00	0.002
7.50	0.794	28.00	0.193	48.50	0.085	69.00	0.043	89.50	0.002
8.00	0.766	28.50	0.194	49.00	0.088	69.50	0.041	90.00	0.002
8.50	0.737	29.00	0.194	49.50	0.092	70.00	0.039		
9.00	0.707	29.50	0.193	50.00	0.094	70.50	0.037		
9.50	0.676	30.00	0.191	50.50	0.097	71.00	0.035		
10.00	0.644	30.50	0.188	51.00	0.099	71.50	0.033		