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VCY America, Inc.

New Auction 109 Long Form Application

Class A, Channel 225, Rockford, IA

43-06-44.5 N, 92-55-47.0 W – ERP = 6.0 KW – RCAMSL = 396.8 Meters

The applicant is the winning bidder in Auction 109 for the commercial FM broadcast allocation on Channel 225 in Rockford, Iowa.

Allocation Considerations

The facility specifies a fully-spaced facility pursuant to 47 CFR Sections 73.203, 73.207, 73.213, 73.315, 73.509, 73.525 and 73.1125. There is one exception to this, being FCC Facility ID 20569, Class A, KFSI, Rochester, MN, Channel 225. Attached is an allocation study showing the relevant spacings and clearances in compliance with these sections. Below are the results of the frequency allocation spacing study. The applicant addresses the short spacing in the next paragraph.

ComStudy 2.2 search Channel 225 (Class A) at (NAD 83) 43-06-44.5 N, 92-55-47.0 W.
Fully-Spaced Frequency Allocation Study

<u>CALL</u>	<u>CITY</u>	<u>ST</u>	<u>CHN CL</u>	<u>DIST</u>	<u>SEP</u>	<u>BRNG</u>	<u>CLEARANCE</u>
KFSI	ROCHESTER	MN	225 A	105.99	115.00	16.9	-9.0
KATF	DUBUQUE	IA	225 C1	199.98	200.00	108.2	-0.0
KLKK	CLEAR LAKE	IA	279 C3	21.51	12.00	272.6	9.5
KOEL-FM	OELWEIN	IA	222 C0	98.08	86.00	118.9	12.1
KLGA-FM	ALGONA	IA	224 C3	103.76	89.00	267.7	14.8
KATO-FM	NEW ULM	MN	226 C1	151.96	133.00	318.6	19.0
KLGA-FM	ALGONA	IA	224 C3	112.08	89.00	268.0	23.1

Section 73.215 Processing with Respect to KFSI, Rochester, MN

The applicant is proposing 73.215 processing for short-spaced licensed facility Channel 225A, KFSI, Rochester, MN. Pursuant to 73.215, the minimum distance of separate for short spaced allocation KFSI is below.

ComStudy 2.2 search Channel 225 (Class A) at (NAD 83) 43-06-44.5 N, 92-55-47.0 W.
Short-Spaced Minimum Distance Separation Allocation Study

<u>CALL</u>	<u>CITY</u>	<u>ST</u>	<u>CHN CL</u>	<u>DIST</u>	<u>SEP</u>	<u>BRNG</u>	<u>CLEARANCE</u>
KFSI	ROCHESTER	MN	225 A	105.99	92.00	16.9	14.0

The applicant has specified a directional antenna to protect the full-facilities operation of KFSI, Rochester, MN. Attached is a map showing the contour distances and lack of prohibited overlap between KFSI, Rochester, MN and the proposed facility.

Community of License Coverage

The proposed f(50,50) 70 dBu Contour serves 100 percent of the Community of License and 100 percent of the land area of Rockford, Iowa. Attached is a map to demonstrate this.

Height Above Average Terrain

Using the FCC Online Computer Program HAAT, using the proposed geographic coordinates, radiation center and the eight cardinal radials, the Height Above Average Terrain for the proposed antenna is 68 meters.

The 8 cardinal-radial data results are below:

0°	46.6 m
45°	56.8 m
90°	66.3 m
135°	85.6 m
180°	91.9 m
225°	70.1 m
270°	71.6 m
315°	55.1 m

Directional FM Antenna

The applicant has specified a directional antenna. The specified antenna pattern complies with 47 CFR Section 73.316. with respect to maximum to minimum RMS and 2 dB per 10 degree parameters. Attached is the proposed directional antenna pattern with ERP and RMS figures to demonstrate compliance with the pertinent regulations.

Environmental Statement

The application has proposed to co-locate on and existing, established communications tower facility. The proposed facility is the only continuously transmitting facility on the tower, with

the exception of cellular and microwave facilities which cannot be accurately studied per this report. Using the FCC computer program, FM Model and using a proposed antenna of ERI LP-2E antenna (Opposed U, 2-Bay Full Wave Spaced) antenna type, with 6 KW ERP (Horizontal and Vertical) at a height above ground level of 61 meters, the maximum RF radiation level reaching 2 meters above ground is 68.65 microwatts per centimeter squared. This 6.87 percent of the occupational limit and 22.88 percent of the general public limit specified in OET Bulletin 65.

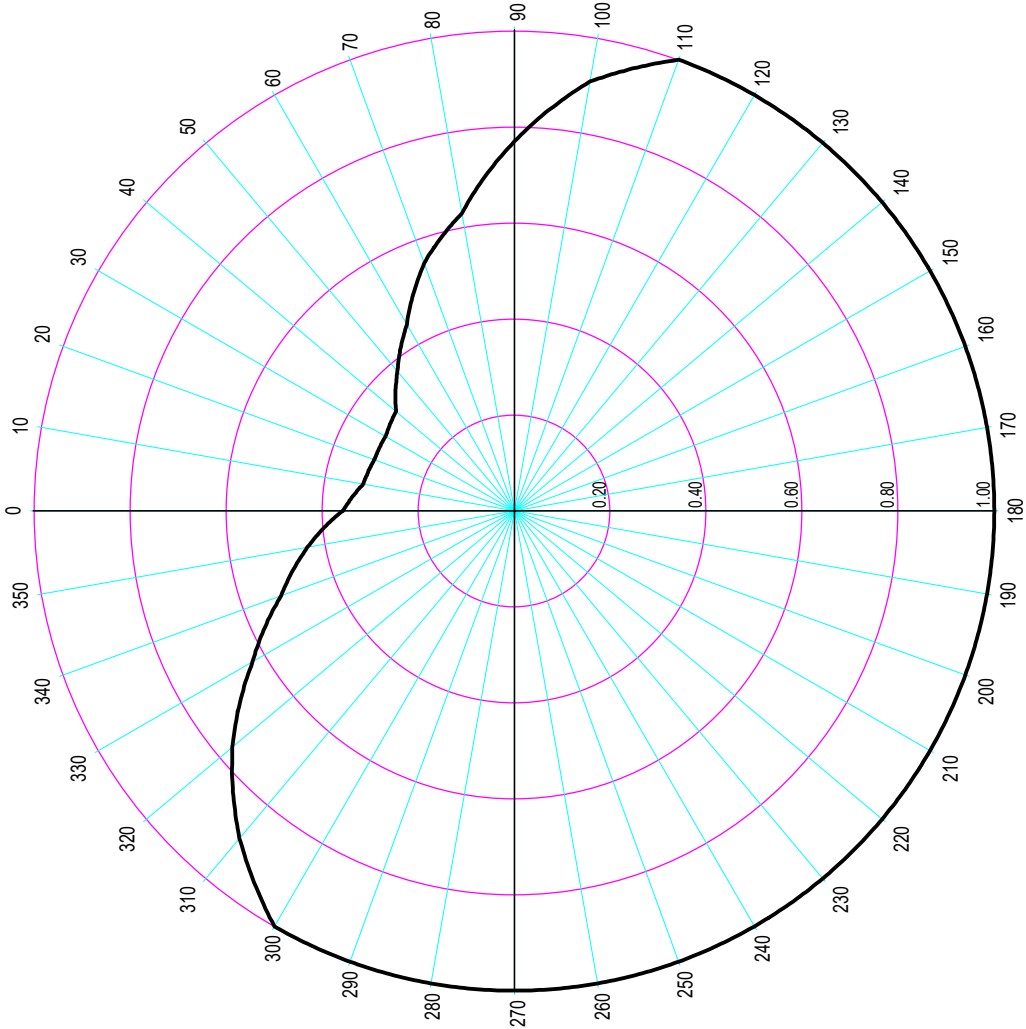
- End of Report -

Attachments:

Proposed Directional Antenna Pattern

Service and Interfering Contours and 73.215 Protection Map for KFSI, Rochester, MN

Community of License Coverage Map



Azim	Rel.FS	ERP [kW]	dBk
0.0	0.357	0.765	-1.165
5.0	0.338	0.685	-1.640
10.0	0.320	0.614	-2.115
15.0	0.315	0.595	-2.252
20.0	0.311	0.580	-2.363
25.0	0.310	0.577	-2.391
30.0	0.310	0.577	-2.391
35.0	0.316	0.599	-2.225
40.0	0.322	0.622	-2.061
45.0	0.350	0.735	-1.337
50.0	0.379	0.862	-0.646
55.0	0.413	1.023	0.101
60.0	0.448	1.204	0.807
65.0	0.498	1.488	1.726
70.0	0.549	1.808	2.573
75.0	0.589	2.082	3.184
80.0	0.629	2.374	3.755
85.0	0.699	2.932	4.671
90.0	0.770	3.557	5.511
95.0	0.839	4.224	6.257
100.0	0.908	4.947	6.943
105.0	0.954	5.461	7.372
110.0	1.000	6.000	7.782
115.0	1.000	6.000	7.782
120.0	1.000	6.000	7.782
125.0	1.000	6.000	7.782
130.0	1.000	6.000	7.782
135.0	1.000	6.000	7.782
140.0	1.000	6.000	7.782
145.0	1.000	6.000	7.782
150.0	1.000	6.000	7.782
155.0	1.000	6.000	7.782
160.0	1.000	6.000	7.782
165.0	1.000	6.000	7.782
170.0	1.000	6.000	7.782
175.0	1.000	6.000	7.782
180.0	1.000	6.000	7.782

Azim	Rel.FS	ERP [kW]	dBk
185.0	1.000	6.000	7.782
190.0	1.000	6.000	7.782
195.0	1.000	6.000	7.782
200.0	1.000	6.000	7.782
205.0	1.000	6.000	7.782
210.0	1.000	6.000	7.782
215.0	1.000	6.000	7.782
220.0	1.000	6.000	7.782
225.0	1.000	6.000	7.782
230.0	1.000	6.000	7.782
235.0	1.000	6.000	7.782
240.0	1.000	6.000	7.782
245.0	1.000	6.000	7.782
250.0	1.000	6.000	7.782
255.0	1.000	6.000	7.782
260.0	1.000	6.000	7.782
265.0	1.000	6.000	7.782
270.0	1.000	6.000	7.782
275.0	1.000	6.000	7.782
280.0	1.000	6.000	7.782
285.0	1.000	6.000	7.782
290.0	1.000	6.000	7.782
295.0	1.000	6.000	7.782
300.0	1.000	6.000	7.782
305.0	0.945	5.358	7.290
310.0	0.891	4.763	6.779
315.0	0.829	4.123	6.153
320.0	0.767	3.530	5.477
325.0	0.698	2.923	4.659
330.0	0.630	2.381	3.768
335.0	0.573	1.970	2.945
340.0	0.517	1.604	2.051
345.0	0.477	1.365	1.352
350.0	0.438	1.151	0.611
355.0	0.397	0.946	-0.243

