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VCY America, Inc.

Minor Change to Licensed Facility KVCF (Facility ID 92640)

Class C1, Channel 213, Freeman, SD

43-43-46.0 N, 97-05-14.9 W – ERP = 20 KW – RCAMSL = 748.6 Meters

The applicant seeks an antenna site change, an increase in ERP, HAAT, directional antenna and all other pertinent parameters.

Allocation Considerations

The facility is fully compliance pursuant to 73.525, 73.209 and all other rule sections with respect to interference with existing broadcast authorizations and applications.

ComStudy 2.2 search Channel 213 (Class C1) at (NAD 83) 43-43-46.0 N, 97-05-14.9 W
Interference 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>
KSFS	SIOUX FALLS	SD	211 C3	33.20	76.00	128.1	-11.91 dB
KCSD	SIOUX FALLS	SD	215 A	38.87	75.00	116.2	-9.15 dB
KWIT	SIOUX CITY	IA	212 C1	154.12	177.00	153.8	0.10 dB
KSDJ	BROOKINGS	SD	214 A	69.66	133.00	20.3	0.14 dB
KNGA	ST. PETER	MN	213 C1	244.51	245.00	76.0	5.90 dB
KJSD	WATERTOWN	SD	212 C2	143.78	158.00	4.4	12.57 dB
KOJI	OKOBOJI	IA	214 A	155.86	133.00	113.2	13.45 dB
KNGA	ST. PETER	MN	213 C1	244.51	245.00	76.0	14.83 dB
KGKD	COLUMBUS	NE	213 C2	247.89	224.00	191.5	14.37 dB
KMNE-FM	BASSETT	NE	212 C0	249.32	196.00	232.3	15.74 dB
KGHW	ONIDA	SD	214 C1	259.86	177.00	295.8	25.04 dB
KNSC	CARROLL	IA	214 C3	257.69	144.00	133.2	31.87 dB
KVNO	OMAHA	NE	214 C2	282.67	158.00	161.7	34.43 dB
KJWR	WINDOM	MN	215 C3	154.60	76.00	77.8	34.49 dB
KVNO	OMAHA	NE	214 C2	282.67	158.00	161.7	34.51 dB

Community of License Coverage

The proposed f(50,50) 60 dBu Contour serves 100 percent of the Community of License and 100 percent of the land area of Freeman, South Dakota. 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 250 meters.

The 8 cardinal radial data results are below:

0°	227.9 m
45°	245.8 m
90°	265.0 m
135°	251.2 m
180°	243.3 m
225°	272.4 m
270°	266.9 m
315°	226.6 m

Section 73.509 Waiver Requests

The applicant acknowledges contour overlap causing received interference from KSFS, Sioux Falls, SD and KCSD, Sioux Falls, SD to the proposed facility. Attached are Section 73.509 (WCPE/Raleigh) waiver requests consistent with Media Bureau staff policy and case precedent.

Environmental Statement

The application has proposed to co-locate on and existing, established communications tower facility. Using the FCC computer program, FM Model and using a proposed antenna of ERI LP-6C antenna (Opposed U, 6-Bay Full Wave Spaced) antenna type, with 30 KW ERP (Horizontal and Vertical) at a height above ground level of 200 meters, the maximum RF radiation level reaching 2 meters above ground is 2.328 microwatts per centimeter squared. Thus the contribution to the total RF radiation is considered de minimis.

- End of Report -

Attachments:

Directional Antenna RMS Pattern

Community of License Coverage Map

Section 73.509 Request for Waiver – KSFS, Sioux Falls, SD

KSFS Waiver Request Exhibit Map

Section 73.509 Request for Waiver – KCSD, Sioux Falls, SD

KCSD Waiver Request Exhibit Map