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Harvest Community Baptist Church of Watertown South Dakota
Minor Change to Licensed Facility KPGT (Facility ID 93041)
Class C1, Channel 206, Watertown, SD
45-06-17.0 N, 96-59-18.0 W – ERP = 30 KW – RCAMSL = 809.9 Meters

The applicant seeks an antenna site change, an increase in ERP, HAAT 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 206 (Class A) at (NAD 83) 45-06-17.0 N, 96-59-18.0 W.
Interference Study

<u>CALL</u>	<u>CITY</u>	<u>ST</u>	<u>CHN</u>	<u>CL</u>	<u>DIST</u>	<u>SEP</u>	<u>BRNG</u>	<u>CLEARANCE</u>
KNNZ	HAWLEY	MN	206	C1	179.00	245.00	17.1	0.10 dB
KRSW	WORTHINGTON	MN	207	C1	159.70	177.00	147.9	4.78 dB
KAUR	SIOUX FALLS	SD	206	A	176.45	200.00	173.5	5.24 dB
KNSR	COLLEGEVILLE	MN	205	C1	197.08	177.00	76.3	9.24 dB
KSJP	IPSWICH	SD	205	A	147.61	133.00	285.9	11.11 dB
KJKL	JAMESTOWN	ND	206	A	233.31	200.00	326.2	13.88 dB
KSJM	ST. JAMES	MN	206	A	224.42	200.00	123.6	14.03 dB
KNSR	COLLEGEVILLE	MN	205	C1	197.08	177.00	76.3	15.66 dB
KBPG	MONTEVIDEO	MN	208	C3	100.92	76.00	101.7	17.91 dB
KOPJ	SEBEKA	MN	207	C1	242.60	177.00	47.5	18.92 dB
KVFL	PIERRE	SD	206	A	277.28	200.00	255.4	21.88 dB
KJIA	SPIRIT LAKE	IA	205	C2	242.04	158.00	143.5	24.88 dB
KVCH	HURON	SD	204	C1	146.21	82.00	226.6	29.58 dB
KCMP	NORTHFIELD	MN	207	C1	312.70	177.00	97.1	29.79 dB
KXNE-FM	NORFOLK	NE	207	C1	319.42	177.00	184.3	33.52 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 Watertown, 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 239 meters.

The 8 cardinal radial data results are below:

0°	209.6 m
45°	262.3 m
90°	268.5 m
135°	221.2 m
180°	217.0 m
225°	252.7 m
270°	253.6 m
315°	229.2 m

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 3.491 microwatts per centimeter squared. Thus the contribution to the total RF radiation is considered de minimis.

- End of Report -

Attachments:

Community of License Coverage Map