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VCY America, Inc.

Minor Change to Licensed Facility WVRN (Facility ID 91400)

Class C1, Channel 205, Wittenberg, WI

44-57-53.9 N, 89-00-18.4 W – ERP = 90 KW – RCAMSL = 518 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 compliant 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 205 (Class C1) at (NAD 83) 44-57-53.9 N, 89-00-18.4 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>
WOJB	RESERVE	WI	205	C1	209.29	245.00	299.7	0.03 dB
WHAA	ADAMS	WI	206	C2	113.84	158.00	202.9	0.09 dB
KSPP	RHINELANDER	WI	206	C3	111.10	144.00	333.2	0.20 dB
WGNV	MILLADORE	WI	203	C1	75.54	82.00	242.0	2.87 dB
WCRR	MANISTIQUE	MI	205	C2	226.14	224.00	59.5	3.49 dB
WYMS	MILWAUKEE	WI	205	B1	226.42	233.00	156.6	5.90 dB
WLSU	LA CROSSE	WI	205	C2	228.19	224.00	236.3	6.37 dB
WPNE	GREEN BAY	WI	207	C1	100.67	82.00	127.5	8.00 dB
WQMN	MINOCQUA	WI	204	A	120.18	133.00	329.1	8.95 dB
WYMS	MILWAUKEE	WI	205	A	228.25	200.00	158.6	9.51 dB
WERN	MADISON	WI	204	B	216.35	195.00	191.5	14.69 dB
WPNE	GREEN BAY	WI	207	C	100.69	105.00	127.5	15.67 dB
WPNE	GREEN BAY	WI	207	C	100.68	105.00	127.5	16.15 dB
WERN	MADISON	WI	204	B	216.35	195.00	191.5	17.90 dB
WIAA	INTERLOCHEN	MI	204	C0	272.23	196.00	105.2	19.47 dB
WHEY	NORTH MUSK	MI	205	A	283.76	200.00	130.5	19.52 dB
WPVM	STURGEON B	WI	203	C2	129.22	79.00	92.4	24.34 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 Wittenberg, Wisconsin. 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 146 meters.

The 8 cardinal radial data results are below:

0°	117.7 m
45°	140.3 m
90°	167.2 m
135°	186.9 m
180°	174.0 m
225°	145.7 m
270°	122.9 m
315°	109.8 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 SHPX-8C antenna (Opposed U, 8-Bay Full Wave Spaced) antenna type, with 90 KW ERP (Horizontal and Vertical) at a height above ground level of 140 meters, the maximum RF radiation level reaching 2 meters above ground is 8.95 microwatts per centimeter squared. The applicant's proposed modified facility is to be the only transmitting antenna on the existing antenna structure. This is clearly compliant with the standards reflected in OET Bulletin 65 and relevant succeeding documents.

- End of Report -

Attachments:

Directional Antenna RMS Pattern
Community of License Coverage Map