

**Technical Exhibit**

**Minor Modification of Licensed Facility**

This application complies with all engineering standards and requirements of the applicable FCC rules and regulations. A new site is specified as is indicated below:

	Licensed facility	Minor modification of licensed facility
Channel / Class	CH 287 D	CH 287 D
Geographical Coordinates (NAD 83)	41 52 42.9 88 44 50.7	41 52 33.0 88 45 16.2
ASRN	1064063	1009341
Site elevation	273.4 m	269.4 m
Tower AGL	60.0 m	152.1 m
Antenna COR AGL	57 m	83.6 m
Antenna COR AMSL	330 m	353.0 m
HAAT	70.5 m	93.1 m
ERP	0.027 kW (H&V, non-da)	0.019 kW (H&V, non-da)
Antenna	RFS CPF500	Nicom BKG77 1 bay
Terrain database	FCC 30 second	FCC 30 second

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**Tabulation of HAAT / ERP / distance to 60 contour**

CH 287      41 52 33.0 / 88 45 16.2      0.019 kW ERP (H&V, non-da)      353.0 m COR AMSL      93.1 m HAAT

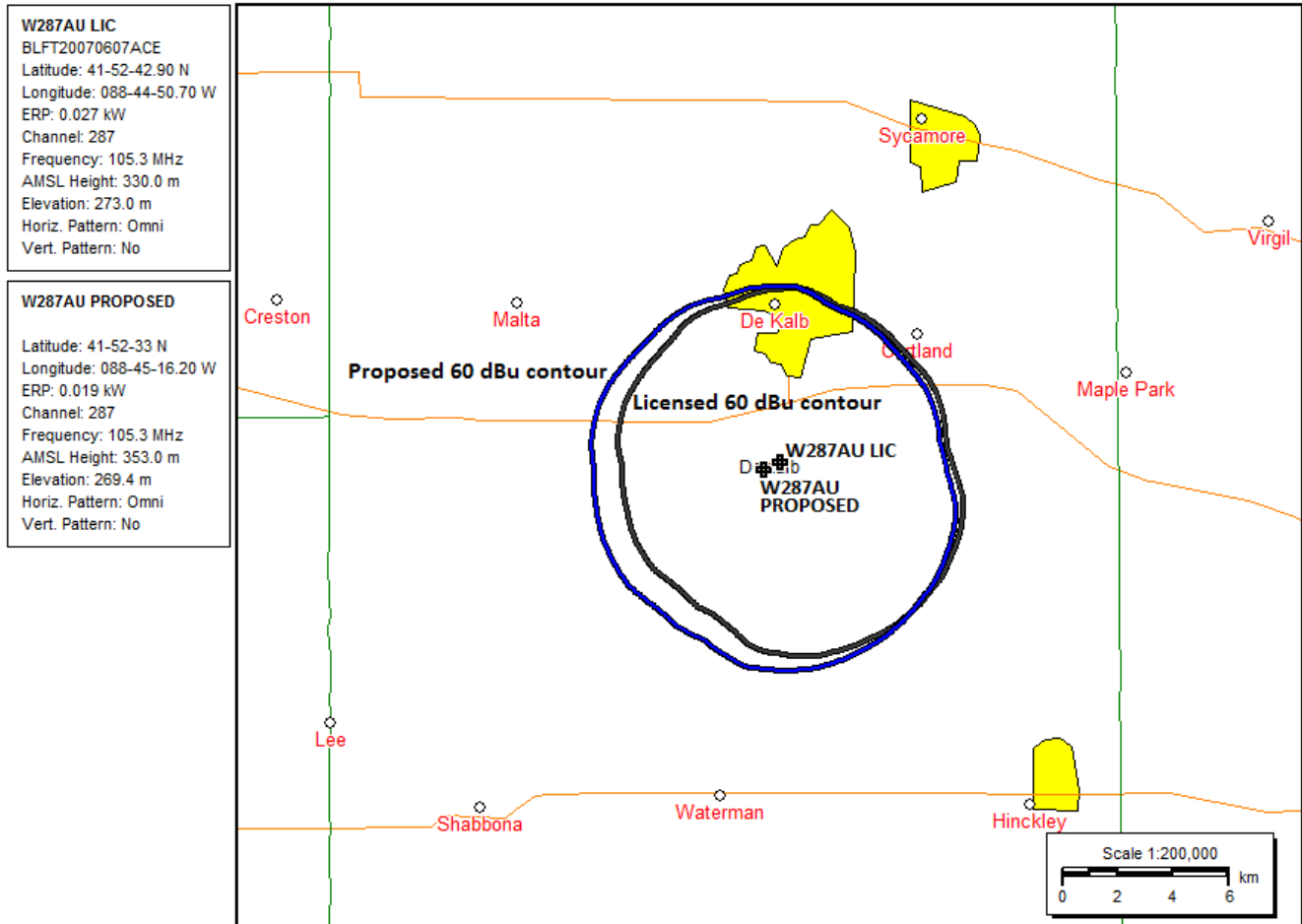
Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	260.4	92.6	0.0190	-17.21	1.000	6.57
010	257.8	95.2	0.0190	-17.21	1.000	6.66
020	265.1	87.9	0.0190	-17.21	1.000	6.39
030	265.0	88.0	0.0190	-17.21	1.000	6.39
040	265.0	88.0	0.0190	-17.21	1.000	6.39
050	266.6	86.4	0.0190	-17.21	1.000	6.33
060	264.1	88.9	0.0190	-17.21	1.000	6.43
070	264.2	88.8	0.0190	-17.21	1.000	6.42
080	266.5	86.5	0.0190	-17.21	1.000	6.34
090	262.0	91.0	0.0190	-17.21	1.000	6.50
100	250.4	102.6	0.0190	-17.21	1.000	6.92
110	245.5	107.5	0.0190	-17.21	1.000	7.08
120	242.2	110.8	0.0190	-17.21	1.000	7.19
130	241.7	111.3	0.0190	-17.21	1.000	7.20
140	239.8	113.2	0.0190	-17.21	1.000	7.26
150	240.0	113.0	0.0190	-17.21	1.000	7.26
160	240.2	112.8	0.0190	-17.21	1.000	7.25
170	242.0	111.0	0.0190	-17.21	1.000	7.19
180	246.5	106.5	0.0190	-17.21	1.000	7.05
190	254.4	98.6	0.0190	-17.21	1.000	6.78
200	265.7	87.3	0.0190	-17.21	1.000	6.37
210	266.8	86.2	0.0190	-17.21	1.000	6.33
220	269.9	83.1	0.0190	-17.21	1.000	6.21
230	266.7	86.3	0.0190	-17.21	1.000	6.33
240	268.2	84.8	0.0190	-17.21	1.000	6.27
250	269.8	83.2	0.0190	-17.21	1.000	6.21
260	272.3	80.7	0.0190	-17.21	1.000	6.11
270	273.3	79.7	0.0190	-17.21	1.000	6.07
280	268.2	84.8	0.0190	-17.21	1.000	6.27
290	265.8	87.2	0.0190	-17.21	1.000	6.36
300	266.0	87.0	0.0190	-17.21	1.000	6.36
310	268.1	84.9	0.0190	-17.21	1.000	6.28
320	267.6	85.4	0.0190	-17.21	1.000	6.29
330	264.0	89.0	0.0190	-17.21	1.000	6.43
340	263.7	89.3	0.0190	-17.21	1.000	6.44
350	263.5	89.5	0.0190	-17.21	1.000	6.45

FCC 30 second Terrain Data  
 (yellow highlighted values establish average HAAT)

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**Licensed and proposed 60 dBu contour coverage map**

The proposed 60 dBu contour will continue to overlap the licensed 60 dBu contour.



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**Allocation Study**

CH 287      41 52 33.0 / 88 45 16.2      0.019 kW ERP (H&V, non-da)      353.0 m COR AMSL      93.1 m HAAT

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
<b><u>Reference station:</u></b>										
287D DeKalb	W287AU	LIC IL	62.5 242.5	0.66 BLFT20070607ACE	41 52 42.9 88 44 50.7	0.027 71	330	Educational Media Foundation		

**Co-channel, 1<sup>st</sup>, 2<sup>nd</sup>, & 3<sup>rd</sup> channel relationships:**

284B Morris	WCFL	LIC IL	159.8 339.9	61.71 BMLE20190805ABO	41 21 17.1 88 29 55.3	50.000 137	5.4 316	60.8 University Of Northwestern	49.1 0.3	0.3
285A Belvidere	WXRK	LIC IL	341.7 161.6	52.31 BMLH20051222ABS	42 19 21.1 88 57 14.4	4.000 122	2.7 373	29.5 Long Nine, Inc.	43.1	22.5
286B Evanston	WOJO	LIC IL	88.1 268.8	93.67 BLH20030616ACT	41 53 56.1 87 37 23.2	5.700 425	78.2 606	65.7 Tichenor License Corporation	8.7	15.1
287D Rockford	W287BY	LIC IL	331.9 151.7	57.30 BLFT20160602AAY	42 19 48.1 89 04 58.4	0.135 322	28.6	8.6 Angelo Joseph Salvi	22.2	27.3
287C2 Dubuque	KLYV	LIC IA	294.1 112.8	175.27 BLH20080404ADR	42 30 10.0 90 42 24.5	50.000 106	138.6 359	53.1 Townsquare Media Dubuque Lic	30.2	100.2
287A Mukwonago	WLVE	LIC WI	20.7 201.1	130.00 BMLE20080208AEO	42 58 05.0 88 11 20.3	1.650 193	80.6 453	27.9 Educational Media Foundation	42.8	81.0
288A Wilmington	WYKT	LIC IL	146.7 327.0	78.27 BLH19970602KK	41 17 11.1 88 14 23.2	1.300 147	37.1 316	24.7 Staradio Corp.	33.9	43.3
288L1 Chicago	WLPN-LP	LIC IL	90.1 270.8	87.85 BLL20161216ABC	41 52 08.9 87 41 36.1	0.017 73	256	73.2 Public Media Institute	73.0	
288D Aurora	W288EA	CP IL	105.5 285.8	43.76 BNPFT20180509ACE	41 46 10.1 88 14 45.2	0.075 276	2.8	2.0 Auril Broadcasting LLC	34.0	29.1
288A Sterling	WSSQ	LIC IL	268.4 87.8	79.14 BLH20180627AAP	41 51 08.1 89 42 35.4	6.000 94	41.6 312	26.9 Virden Broadcasting Corp.	31.5	43.0

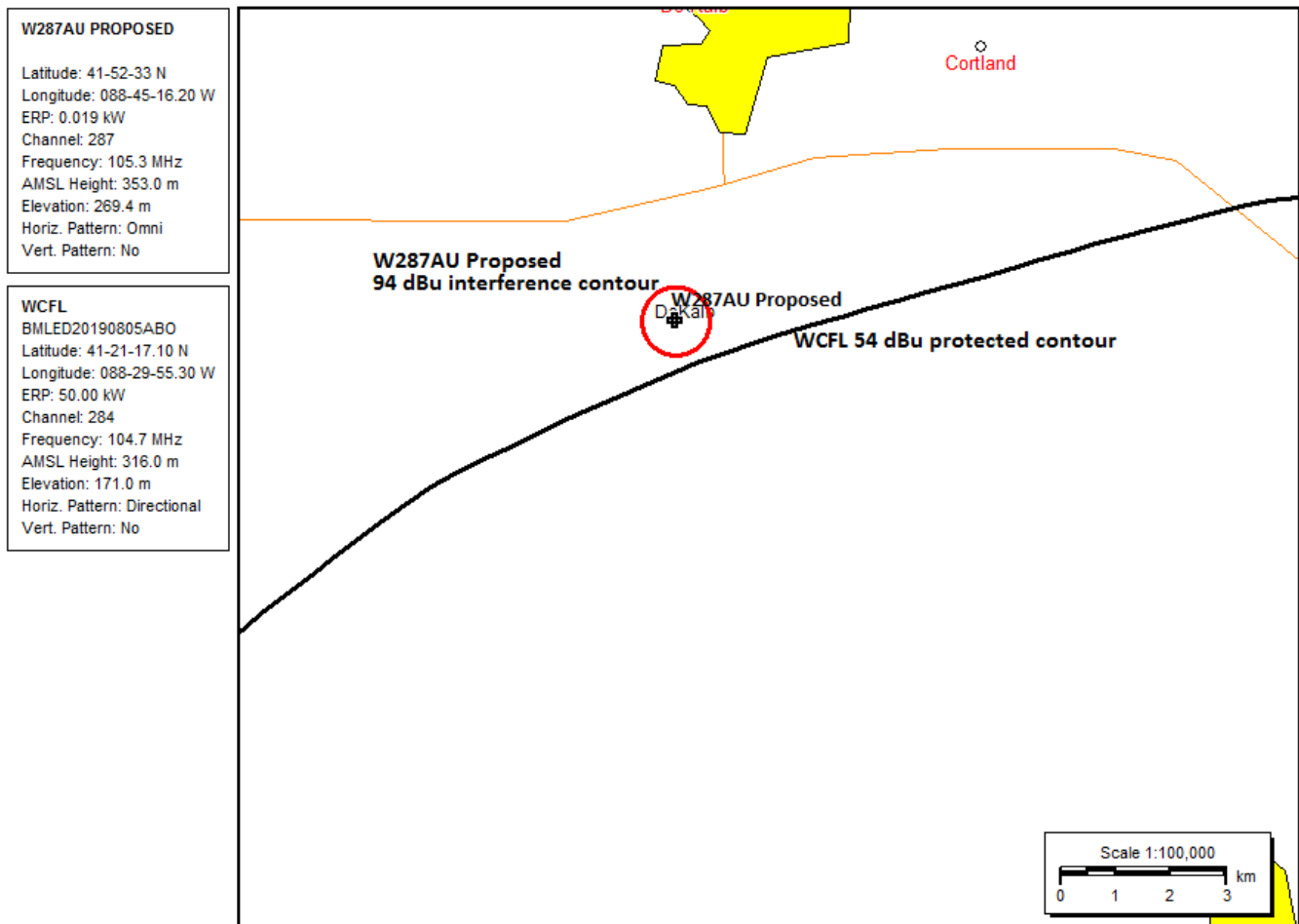
**I.F.:**

None

FCC 30 second terrain database

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Allocation Study



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**Environmental Impact & RFR Compliance Statement**

W287AU will be located at an established communications site that is in compliance with all environmental impact requirements.

This minor modification application specifies a move to a new site. W287AU as proposed will operate at an antenna COR AGL height of 83.6 meters with 0.019 kW ERP (H&V, non-da). For a worst case estimation at 2 meters above ground level the RFR is no more than 0.1% of the general population/uncontrolled MPE limit. There are other broadcast facilities on the tower.

Facilities that contribute no more than 5% of the general population/uncontrolled MPE limit at the site comply with the requirements of OET Bulletin No. 65 with no further study. Furthermore, per Section 1.1307(b)(1) Table 1, any Part 74 Subpart L facility with an ERP of 100 watts or less is categorically excluded from environmental evaluation. Therefore W287AU as proposed is in compliance with all RFR requirements.

RFR hazard warning signs are posted at the site and the site has restricted access to only authorized personnel. The applicant certifies that in cooperation with other users of the site all authorized personnel will be protected from RFR exposure in excess of FCC guidelines while accessing any controlled exposure area, including the tower, by either reducing power or ceasing operations.