

Minor Modification of Licensed Facility

This minor modification of licensed facility application exhibit demonstrates compliance with all engineering standards and assignment requirements specified in the applicable FCC rules and regulations. This application proposes changes as is indicated below:

	Licensed	Minor Mod of Licensed Facility
Channel / Class	284D	284D
ASRN	N/A	1030306
Geographical Coordinates (NAD 83)	32 29 42.0 92 11 10.2	32 29 41.5 92 11 10.4
Site AMSL	46.6 m	46.6 m
Tower AGL	10.7 m	118.8 m
COR AGL	10.7 m	102.1 m
COR AMSL	57.3 m	148.7 m
HAAT	-17.5 m	120.5 m
ERP	0.010 kW (H&V, non-DA)	0.250 kW (H&V, non-DA)
ANTENNA	Nicom BKG77/1	Nicom BKG77/1

FCC 30 second terrain database

Tabulation of HAAT / ERP / distance to 60 dBu contour

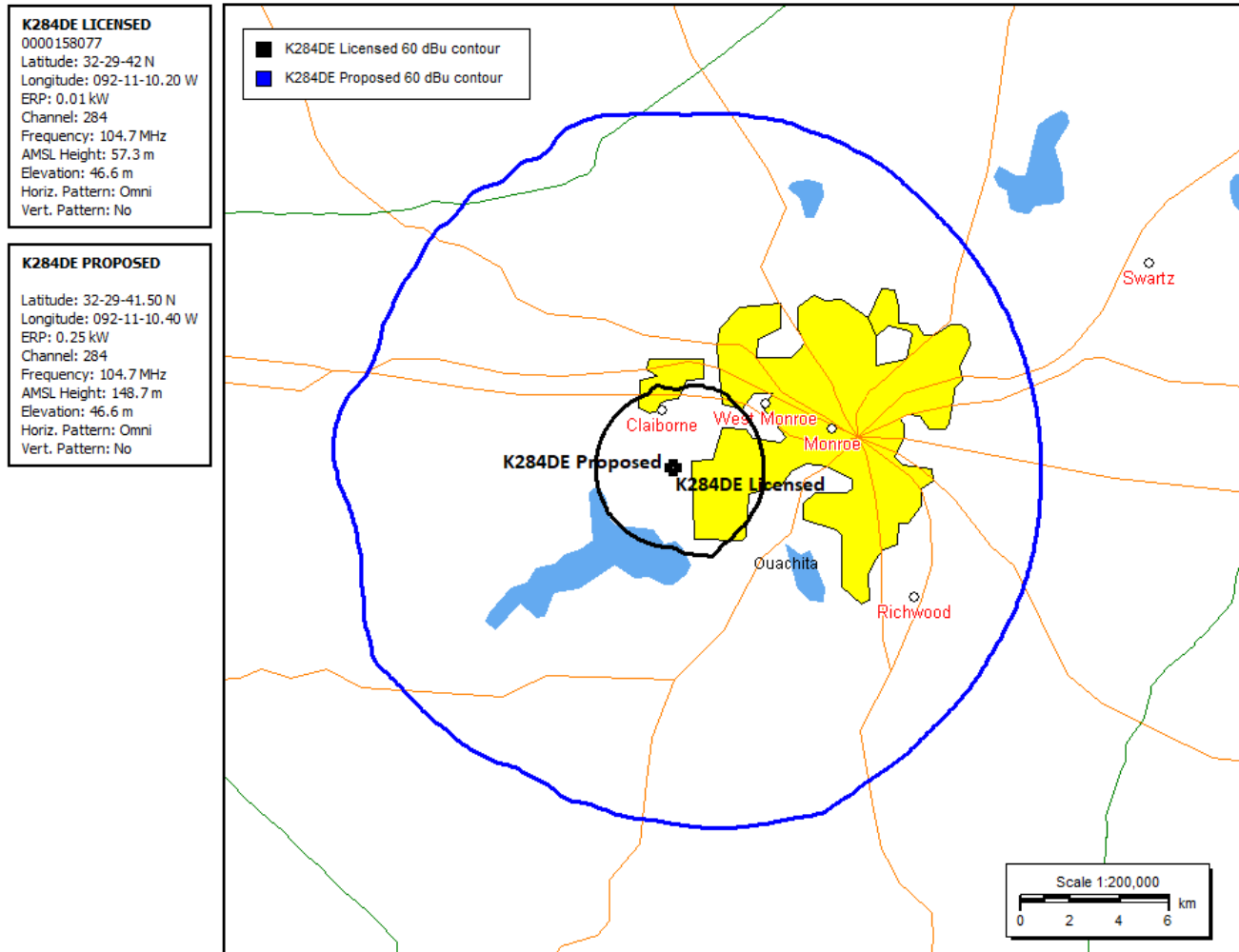
CH 284 32 29 41.5 / 92 11 10.4 0.250 kW ERP (H&V, non-DA) 148.7 m COR AMSL 120.5 m HAAT

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	27.3	121.4	0.2500	-6.02	1.000	14.15
010	23.6	125.1	0.2500	-6.02	1.000	14.36
020	21.3	127.4	0.2500	-6.02	1.000	14.49
030	19.4	129.3	0.2500	-6.02	1.000	14.60
040	19.9	128.8	0.2500	-6.02	1.000	14.57
050	19.8	128.9	0.2500	-6.02	1.000	14.58
060	19.3	129.4	0.2500	-6.02	1.000	14.61
070	19.4	129.3	0.2500	-6.02	1.000	14.60
080	19.5	129.2	0.2500	-6.02	1.000	14.60
090	19.4	129.3	0.2500	-6.02	1.000	14.60
100	18.6	130.1	0.2500	-6.02	1.000	14.65
110	18.1	130.6	0.2500	-6.02	1.000	14.68
120	19.0	129.7	0.2500	-6.02	1.000	14.63
130	18.7	130.0	0.2500	-6.02	1.000	14.64
140	18.4	130.3	0.2500	-6.02	1.000	14.66
150	17.5	131.2	0.2500	-6.02	1.000	14.72
160	16.3	132.4	0.2500	-6.02	1.000	14.79
170	20.5	128.2	0.2500	-6.02	1.000	14.53
180	26.6	122.1	0.2500	-6.02	1.000	14.19
190	30.2	118.5	0.2500	-6.02	1.000	13.98
200	34.0	114.7	0.2500	-6.02	1.000	13.77
210	35.9	112.8	0.2500	-6.02	1.000	13.65
220	32.2	116.5	0.2500	-6.02	1.000	13.87
230	30.5	118.2	0.2500	-6.02	1.000	13.97
240	29.5	119.2	0.2500	-6.02	1.000	14.02
250	41.0	107.7	0.2500	-6.02	1.000	13.34
260	46.6	102.1	0.2500	-6.02	1.000	12.99
270	37.9	110.8	0.2500	-6.02	1.000	13.53
280	38.0	110.7	0.2500	-6.02	1.000	13.52
290	50.1	98.6	0.2500	-6.02	1.000	12.78
300	46.5	102.2	0.2500	-6.02	1.000	13.00
310	43.0	105.7	0.2500	-6.02	1.000	13.22
320	39.6	109.1	0.2500	-6.02	1.000	13.43
330	39.9	108.8	0.2500	-6.02	1.000	13.41
340	31.3	117.4	0.2500	-6.02	1.000	13.92
350	24.0	124.7	0.2500	-6.02	1.000	14.33

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 (yellow highlighted values establish average HAAT)

60 dBu contour coverage map

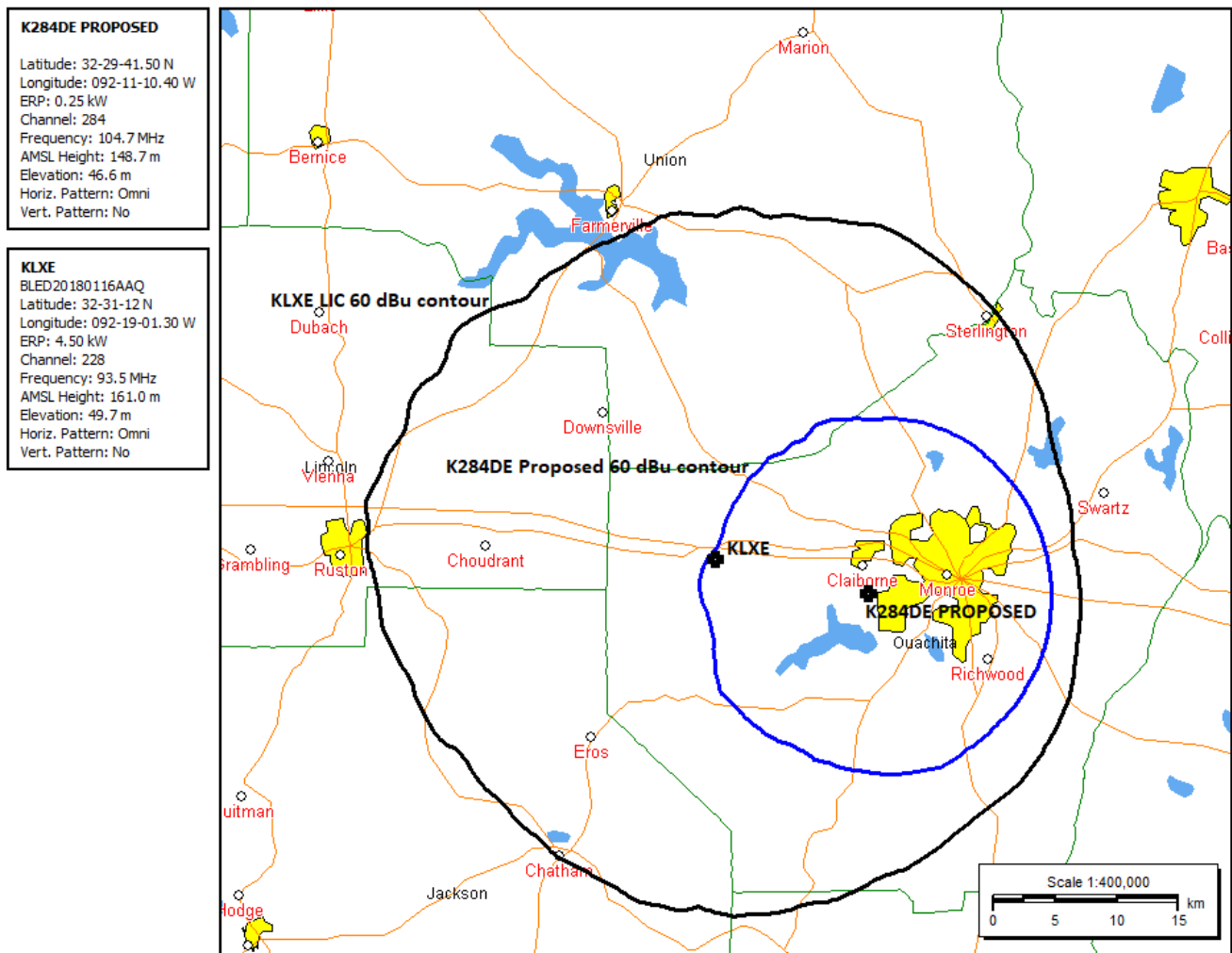
This minor modification of licensed facility application specifies a new site. The proposed 60 dBu contour will continue to overlap the licensed 60 dBu contour.



FCC 30 second terrain database

Fill-in Translator

K284DE operates as a fill-in of KLXE, CH 228A, Calhoun, LA (Facility ID 198781). The below map demonstrates that the proposed 60 dBu contour of K284DE will be completely encompassed within the 60 dBu contour of KLXE and thus meets the required criteria for fill-in status.



FCC 30 second terrain database

K284DE, Monroe, LA
Minor Modification of Licensed Facility 0000158077

September 2021

Interference Study

CH 284 32 29 41.5 / 92 11 10.4 0.250 kW ERP (H&V, non-DA) 148.7 m COR AMSL 120.5 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*
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Reference station:

284D	K284DE	LIC	18.6	0.01	32 29 42.00	0.010				
Monroe		LA	198.6	0000158077	92 11 10.20		57	David R. Magnum		

Co-channel, 1st, 2nd, & 3rd adjacent channel relationships:

281C0	KJLO-FM	LIC	26.7	20.53	32 39 36.50	100.000	10.4	73.6	-4.4	-54.2
Monroe		LA	206.7	BLH19880812KE	92 05 15.50	310	333	Holladay Broadcasting Of L		
283C3	KLSM	LIC	97.6	100.51	32 22 13.50	25.000	60.7	39.6	25.1	38.8
Tallulah		LA	278.2	BLH20110408AAO	91 07 39.40	100	123	Holladay Broadcasting Of L		
283A	KBEF	LIC	272.9	94.69	32 31 59.60	6.000	43.5	28.0	37.6	45.3
Gibbsland		LA	92.3	BLH20010306AAA	93 11 34.60	100	172	Minden Broadcasting, LLC		
284C3	KHMD	LIC	250.3	171.90	31 57 49.60	25.000	110.6	35.9	47.4	89.1
Mansfield		LA	69.4	BMLD20080819ABK	93 53 58.70	100	170	Houston Christian Broadcast		
284A	KWTG	LIC	143.2	125.93	31 35 05.50	3.000	77.8	25.3	33.6	51.4
Vidalia		LA	323.6	BLH19970331KC	91 23 18.40	81	122	Miss Lou Media, LLC		
284C2	WLRJ	LIC	48.8	165.76	33 28 10.40	31.000	131.8	51.9	19.4	64.8
Greenville		MS	229.5	0000094831	90 50 30.30	189	222	Educational Media Foundation		
285A	KAGH-FM	LIC	17.4	74.42	33 08 05.40	6.000	44.4	28.8	15.5	23.8
Crossett		AR	197.5	BLH19950524KF	91 56 49.50	100	135	Ashley County Broadcasters		
285C3	KTOC-FM	LIC	239.4	58.84	32 13 28.60	25.000	49.3	25.8	0.1	8.7
Jonesboro		LA	59.1	BLED20050705AAF	92 43 27.50	72	133	Family Worship Center Church		
286D	K286AQ	LIC	333.0	75.85	33 06 10.50	0.250	1.1	11.3	60.8	63.1
El Dorado		AR	152.8	BLFT20041227ABI	92 33 25.50	76	133	Bible Broadcasting Network		
286A	KZKR	LIC	153.0	102.78	31 40 08.60	0.900	1.9	27.8	86.0	73.9
Jonesville		LA	333.2	BLH20051019AAW	91 41 30.50	249	261	First Natchez Radio Group		
287C2	KLIP	LIC	32.6	7.57	32 33 08.50	50.000	5.5	48.9	-12.6	-42.5
Monroe		LA	212.6	BLH19930510KB	92 08 33.40	132	155	Holladay Broadcasting Of L		

I.F. relationships:

230C3	KGGM	LIC	93.7	50.35	32 27 52.90	12.000	0.0	0.0	11.5R	38.9M
Delhi		LA	274.0	BLH20141118APK	91 39 06.10	144	164	Kenneth W. Diebel		
231C2	KRLQ	LIC	262.1	67.50	32 24 35.60	47.000	0.0	0.0	14.5R	53.0M
Hodge		LA	81.7	BLH20080417ABV	92 53 49.60	155	235	North Louisiana Broadcast		

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Interference Study

K284DE as proposed is located within the protected contour of the following adjacent channel facilities:

KJLO-FM (LIC), CH 281C0, Monroe, LA

KJLO-FM signal strength at the K284DE site	88.2 dBu
K284DE interference contour	128.2 dBu
Distance to K284DE interference contour	43.2 meters

KLIP (LIC), CH 287C2, Monroe, LA

KLIP signal strength at the K284DE site	94.3 dBu
K284DE interference contour	134.3 dBu
Distance to K284DE interference contour	21.3 meters

K284DE's antenna COR AGL height is 102.1 meters. The interference contour towards either KJLO-FM or KLIP will not reach the ground by a margin of 58.9 meters (KJLO-FM) and 80.8 meters (KLIP), nor are there any occupied structures at the site that extend higher than the margin distance for either KJLO-FM or KLIP (see below map). Therefore, based on the showing of no population within the area of predicted interference a waiver of Section 74.1204(d) is respectfully requested.



Environment Impact & RFR Compliance

K284DE is located at an established communications site that is in compliance with all environmental impact requirements.

K284DE will operate with an ERP of 0.250 kW (H&V, non-DA) with an antenna COR AGL height of 102.1 meters. For a worse case estimation at 2 meters above ground level the RFR is no more than 0.8% of the general population/uncontrolled MPE limit. There are no licensed broadcast facilities at the site.

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, therefore K284DE is in compliance with all environmental and RFR requirements.

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.