

Technical Certifications Exhibit

This minor modification of licensed facility complies with all engineering standards and assignment requirements specified in the applicable FCC rules and regulations. This application proposes an increase in ERP and to operate as a fill-in for KLTW-HD3, Winnie, TX. Also included is a correction in the geographical coordinates and tower height in order to match the antenna structure registration information as indicated below:

	Licensed	Minor Mod of Licensed Facility
Channel / Class	234D	234D
ASRN	1049415	1049415
Geographical coordinates	29 58 35.8 93 56 02.6	29 58 36.0 93 56 03.0
Tower AGL	152.0 m	152.4 m
Site elevation	3.0 m	3.0 m
Antenna RC AGL	121.0 m	121.0 m
Antenna RC AMSL	124.0 m	124.0 m
HAAT	124.0 m	123.7 m
ERP	0.170 kW (H&V, non-DA)	0.188 kW (H&V, non-DA)
ANTENNA	RFS CPF-500/1	RFS CPF-500/1

FCC 30 second terrain data

Tabulation of HAAT / ERP / distance to 60 dBu contour

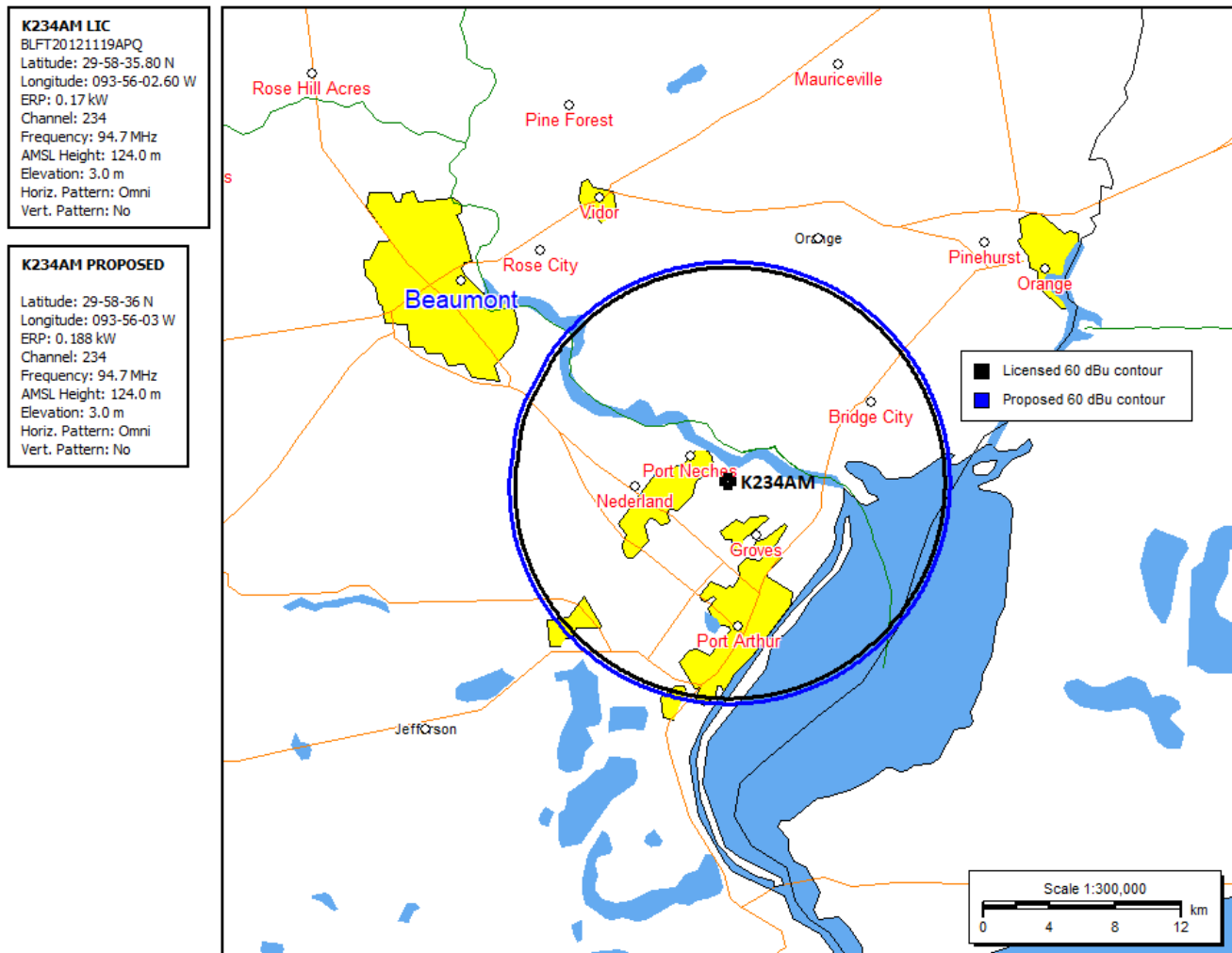
CH 234D 29 58 36.0 / 93 56 03.0 0.188 kW ERP (H&V, non-DA) 124.0 m COR AMSL 123.7 m HAAT

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	0.0	124.0	0.1880	-7.26	1.000	13.30
010	0.0	124.0	0.1880	-7.26	1.000	13.30
020	0.0	124.0	0.1880	-7.26	1.000	13.30
030	0.0	124.0	0.1880	-7.26	1.000	13.30
040	0.0	124.0	0.1880	-7.26	1.000	13.30
050	0.0	124.0	0.1880	-7.26	1.000	13.30
060	0.0	124.0	0.1880	-7.26	1.000	13.30
070	0.0	124.0	0.1880	-7.26	1.000	13.30
080	0.0	124.0	0.1880	-7.26	1.000	13.30
090	0.0	124.0	0.1880	-7.26	1.000	13.30
100	0.0	124.0	0.1880	-7.26	1.000	13.30
110	0.0	124.0	0.1880	-7.26	1.000	13.30
120	0.0	124.0	0.1880	-7.26	1.000	13.30
130	0.0	124.0	0.1880	-7.26	1.000	13.30
140	0.0	124.0	0.1880	-7.26	1.000	13.30
150	0.0	124.0	0.1880	-7.26	1.000	13.30
160	0.0	124.0	0.1880	-7.26	1.000	13.30
170	0.0	124.0	0.1880	-7.26	1.000	13.30
180	0.0	124.0	0.1880	-7.26	1.000	13.30
190	0.0	124.0	0.1880	-7.26	1.000	13.30
200	0.0	124.0	0.1880	-7.26	1.000	13.30
210	0.0	124.0	0.1880	-7.26	1.000	13.30
220	0.0	124.0	0.1880	-7.26	1.000	13.30
230	0.0	124.0	0.1880	-7.26	1.000	13.30
240	0.0	124.0	0.1880	-7.26	1.000	13.30
250	0.0	124.0	0.1880	-7.26	1.000	13.30
260	0.6	123.4	0.1880	-7.26	1.000	13.27
270	1.4	122.6	0.1880	-7.26	1.000	13.23
280	2.7	121.3	0.1880	-7.26	1.000	13.16
290	1.3	122.7	0.1880	-7.26	1.000	13.23
300	2.6	121.4	0.1880	-7.26	1.000	13.17
310	0.0	124.0	0.1880	-7.26	1.000	13.30
320	0.0	124.0	0.1880	-7.26	1.000	13.30
330	0.0	124.0	0.1880	-7.26	1.000	13.30
340	0.0	124.0	0.1880	-7.26	1.000	13.30
350	0.2	123.8	0.1880	-7.26	1.000	13.29

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

60 dBu contour coverage map

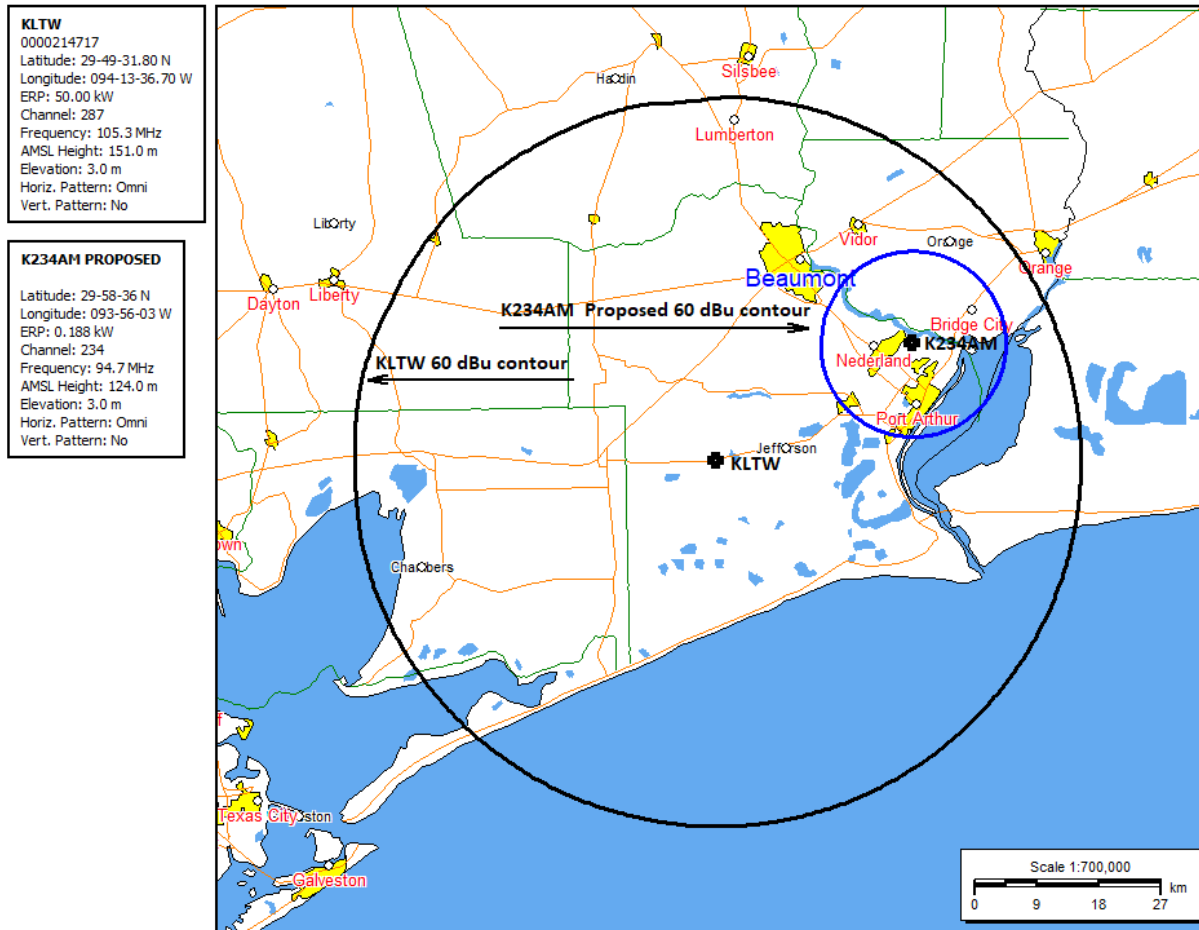
The proposed 60 dBu contour will have overlap with the licensed 60 dBu contour.



FCC 30 second terrain data

Fill-in Translator

This application proposes to operate K234AM as a fill-in of KLTW-HD3, Winnie, TX (Facility ID 479). The below map demonstrates that the proposed 60 dBu contour of K234AM will be completely encompassed within the 60 dBu contour of KLTW and thus meets the required criteria for fill-in status.



FCC 30 second terrain data

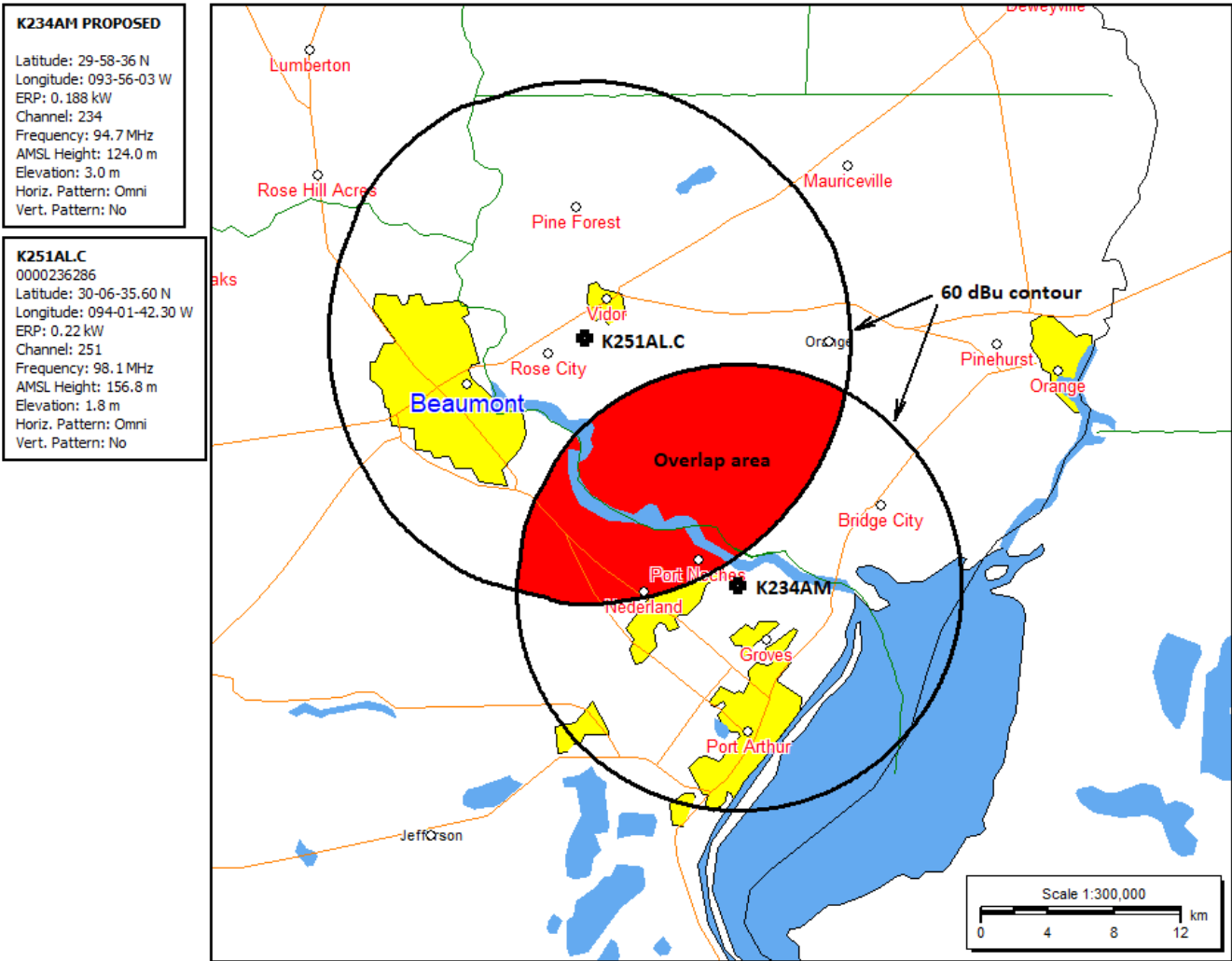
FM Translator Overlap

K234AM as proposed will have 60 dBu contour overlap with co-owned FM translator K251AL (CP, 0000236286), Beaumont, TX. Both facilities will be fill-in translators for KLTW (FM), Winnie, TX, via KLTW-HD3. However, as is demonstrated below, there is less than 50% overlap between K234AM as proposed and K251AL (CP).

Population Database: 2020 US Census (PL)

Overlap Area: 188.3 sq. km
Total Population: 29,614

Area Description	Total Population	Total Area [sq. km]	Percent Population	Percent Area
K234AM PROPOSED	132,678	554.76	22.3 %	33.9 %
K251AL (CP)	150,804	760.96	19.6 %	24.7 %



Interference Study

CH 234D 29 58 36.0 / 93 56 03.0 0.188 kW ERP (H&V, non-DA) 124.0 m COR AMSL 123.7 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:

234D	K234AM	LIC	120.0	0.01	29 58 35.80	0.170				
Groves		TX	300.0	BLFT20121119APQ	93 56 02.60	124	124	Educational Media Foundation		

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

231C1	KQXY-FM	LIC	337.7	16.67	30 06 56.70	100.000	7.9	62.4	-4.5	-46.7
Beaumont		TX	157.7	BLH19800619AE	94 00 00.60	183	185	Cumulus Licensing LLC		
233C	KTBY-FM	LIC	254.1	158.73	29 34 34.80	100.000	136.0	91.3	9.5	47.3
Houston		TX	73.3	BMLH20090424AAB	95 30 36.80	585	605	Ihm Licenses, LLC		
233C	KSMB	LIC	75.0	171.04	30 21 44.70	100.000	108.6	74.7	49.1	76.2
Lafayette		LA	255.9	BMLH20010509AAG	92 12 53.50	329	341	Radio License Holding Cbc,		
234C2	KVLL-FM	LIC	326.7	151.37	31 06 48.20	50.000	133.5	47.9	4.6	58.4
Wells		TX	146.3	BMLH20160902AAG	94 48 29.80	117	175	Townsquare License, LLC		
235L1	NEW	APP	291.5	119.42	30 21 50.08	0.100			97.7	93.5
North Cleveland		TX	110.9	0000232874	95 05 28.07	25	74	Tarkington Radio Club		
236C1	KYKR	LIC	334.8	10.48	30 03 43.70	100.000	6.7	56.0	-9.5	-46.4
Beaumont		TX	154.7	BLH19990225KB	93 58 50.60	131	132	Ihm Licenses, LLC		

I.F. relationships:

287C2	KLTW	LIC	239.3	32.86	29 49 31.80	50.000	77.4	19.6	14.5R	18.4M
Winnie		TX	59.1	0000214717	94 13 36.70	150	151	Educational Media Foundation		

FCC 30 second terrain data

Interference Study

K234AM as proposed is located with the protected contour of the following second and third adjacent facilities:

KQXY-FM (LIC), CH 231C1, Beaumont, TX

KQXY-FM (LIC) signal strength at the K234AM site	87.1 dBu
K234AM interference contour	127.1 dBu
Distance to K234AM interference contour	42.4 meters

KYKR (LIC), CH 236C1, Beaumont, TX

KYKR (LIC) signal strength at the K234AM site	92.0 dBu
K234AM interference contour	132.0 dBu
Distance to K234AM interference contour	24.0 meters

K234AM's antenna RC AGL height is 121.0 meters. No interference will reach the ground by a margin of 78.6 meters to KQXY-FM and 97.0 meters to KYKR. There are no occupied structures at the site that exceed the clearance margin height to either facility as is demonstrated on the 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.



Environmental Impact & RFR Compliance Statement

K234AM is located at an established communications site that is in compliance with all environmental impact requirements.

K234AM as proposed will operate with 0.188 kW ERP (H&V) at an antenna RC AGL height of 121.0 meters. For a worse case estimation at 2 meters above ground level the RFR is no more than 0.45% of the general population/uncontrolled MPE limit. There are other 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 K234AM is in compliance with all 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.