

Technical Certifications Exhibit

This application complies with all engineering standards and assignment requirements specified in the applicable FCC rules and regulations. This application proposes a minor correction in the geographical coordinates and the HAAT and an increase in the ERP as is indicated below:

	Licensed	Minor Mod
Channel / Class	253D	253D
ASRN	N/A	N/A
Geographical Coordinates	40 26 35.6 120 38 38.8	40 26 35.6 120 38 39.0
Tower AGL	14.0 m	14.0 m
Site AMSL	1390.0 m	1390.0 m
COR AGL	12.0 m	12.0 m
COR AMSL	1402.0 m	1402.0 m
HAAT	-157.9 m	-155.6 m
ERP	0.055 kW (H&V, non-DA)	0.067 kW (H&V, non-DA)

FCC 30 second terrain data

Tabulation of HAAT / ERP / distance to 60 dBu contour

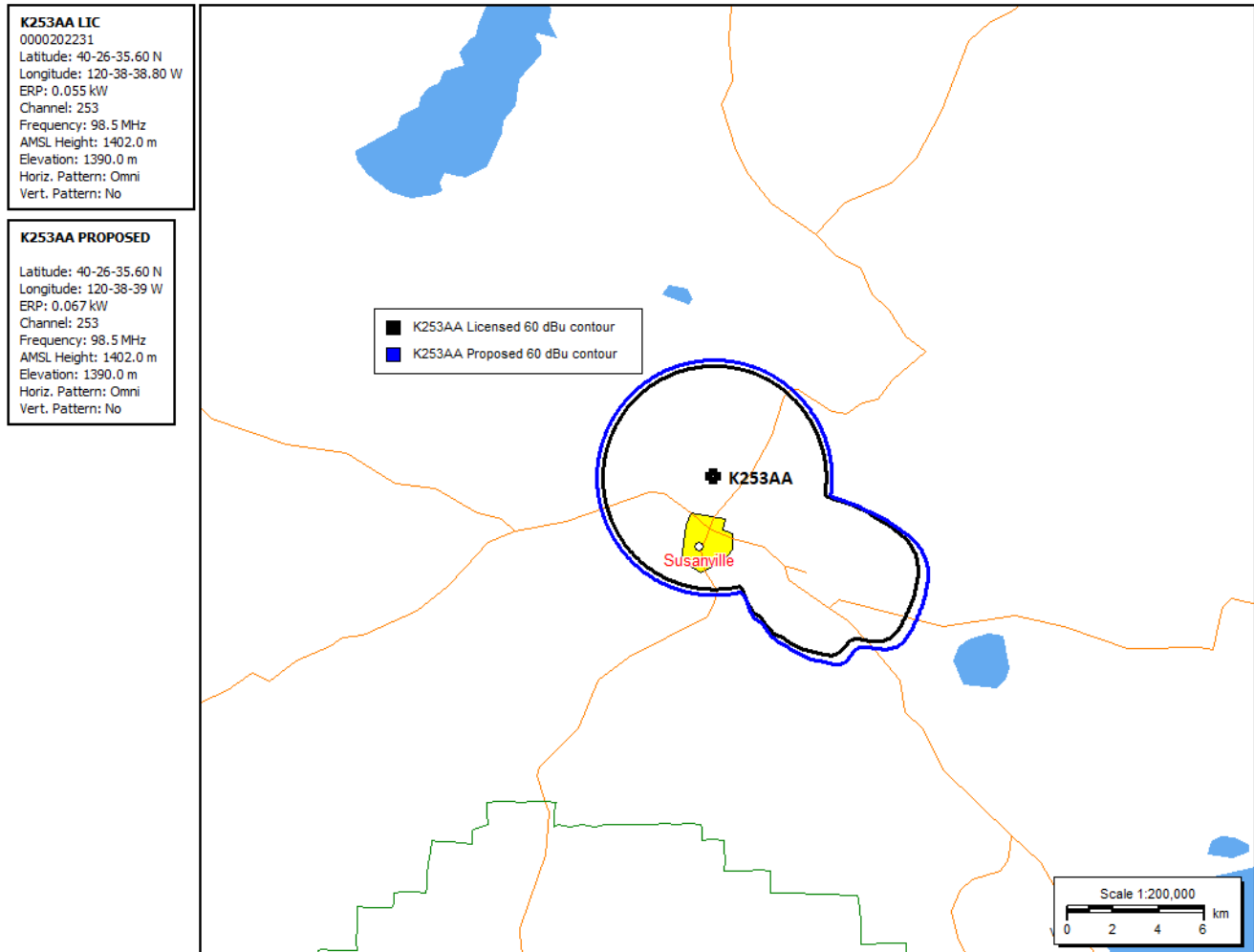
CH 253 40 26 35.6 / 120 38 39.0 0.067 kW ERP (H&V, non-DA) 1402.0 m COR AMSL -155.6 m HAAT

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	1644.2	-242.2	0.0670	-11.74	1.000	5.09
010	1627.9	-225.9	0.0670	-11.74	1.000	5.09
020	1600.8	-198.8	0.0670	-11.74	1.000	5.09
030	1584.4	-182.4	0.0670	-11.74	1.000	5.09
040	1623.9	-221.9	0.0670	-11.74	1.000	5.09
050	1583.2	-181.2	0.0670	-11.74	1.000	5.09
060	1577.7	-175.7	0.0670	-11.74	1.000	5.09
070	1500.4	-98.4	0.0670	-11.74	1.000	5.09
080	1503.0	-101.0	0.0670	-11.74	1.000	5.09
090	1445.0	-43.0	0.0670	-11.74	1.000	5.09
100	1367.6	34.4	0.0670	-11.74	1.000	5.43
110	1296.6	105.4	0.0670	-11.74	1.000	9.59
120	1275.2	126.8	0.0670	-11.74	1.000	10.46
130	1266.5	135.6	0.0670	-11.74	1.000	10.82
140	1294.2	107.8	0.0670	-11.74	1.000	9.70
150	1305.1	96.9	0.0670	-11.74	1.000	9.20
160	1338.7	63.3	0.0670	-11.74	1.000	7.37
170	1404.1	-2.1	0.0670	-11.74	1.000	5.09
180	1490.7	-88.6	0.0670	-11.74	1.000	5.09
190	1522.3	-120.3	0.0670	-11.74	1.000	5.09
200	1576.3	-174.3	0.0670	-11.74	1.000	5.09
210	1531.0	-129.0	0.0670	-11.74	1.000	5.09
220	1525.4	-123.4	0.0670	-11.74	1.000	5.09
230	1506.2	-104.2	0.0670	-11.74	1.000	5.09
240	1442.8	-40.8	0.0670	-11.74	1.000	5.09
250	1488.0	-86.0	0.0670	-11.74	1.000	5.09
260	1547.4	-145.4	0.0670	-11.74	1.000	5.09
270	1669.9	-267.9	0.0670	-11.74	1.000	5.09
280	1818.3	-416.3	0.0670	-11.74	1.000	5.09
290	1839.1	-437.1	0.0670	-11.74	1.000	5.09
300	1809.8	-407.8	0.0670	-11.74	1.000	5.09
310	1760.5	-358.5	0.0670	-11.74	1.000	5.09
320	1884.4	-482.4	0.0670	-11.74	1.000	5.09
330	1915.6	-513.6	0.0670	-11.74	1.000	5.09
340	1734.6	-332.6	0.0670	-11.74	1.000	5.09
350	1669.9	-267.9	0.0670	-11.74	1.000	5.09

FCC 30 second terrain data
(yellow highlighted values establish average HAAT)

60 dBu contour coverage map

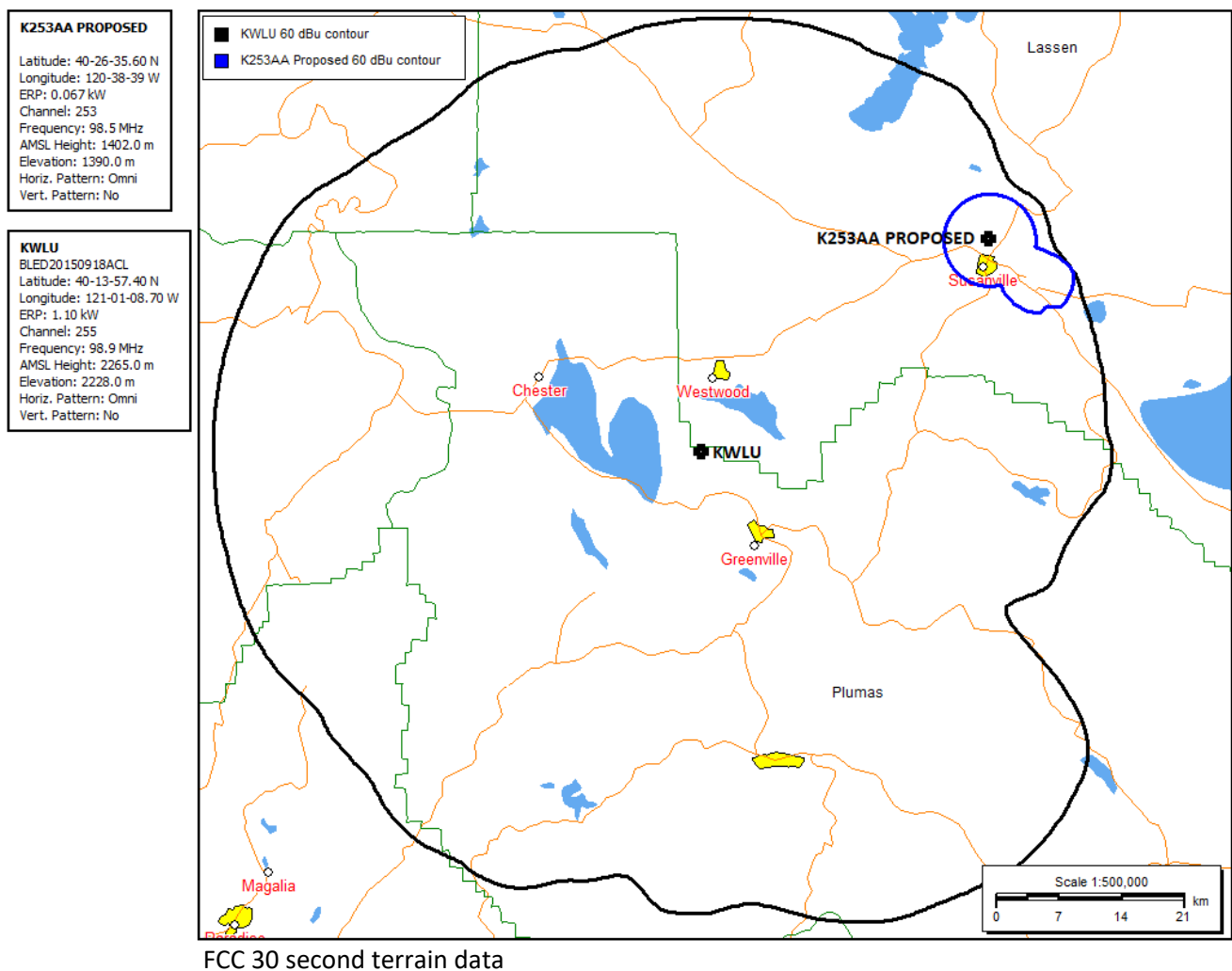
The proposed 60 dBu contour will continue to have overlap with the licensed 60 dBu contour.



FCC 30 second terrain data

Fill-in Translator

K253AA operates as a fill-in translator for KWLJ (FM) (Facility ID 54981), Chester, CA. The below map demonstrates that the 60 dBu contour of K253AA as proposed will be completely encompassed within the 60 dBu contour of KWLJ and thus meets the required criteria for fill-in status.



Interference Study

CH 253 40 26 35.6 / 120 38 39.0 0.067 kW ERP (H&V, non-DA) 1402.0 m COR AMSL -155.6 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	*OUT* in km)
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Reference station:

253D	K253AA	LIC	0.0	0.00	40 26 35.60	0.055				
Susanville		CA	270.0	0000202231	120 38 38.80	-158	1402	Educational Media Foundation		

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

251C	KVIP-FM	LIC	279.0	160.92	40 39 17.50	30.000	9.8	85.8	146.0	74.3
Redding		CA	97.8	BMLE19971006KC	122 31 25.00	521	1045	Pacific Cascade Communication		
251C	KBUL-FM	LIC	148.3	154.22	39 15 31.60	74.000	12.7	89.8	131.1	63.7
Carson City		NV	328.9	BLH19950504KB	119 42 09.60	699	2340	Radio License Holding Cbc,LL		
252D	K252AL	LIC	235.6	40.03	40 14 21.50	0.009	5.2	2.0	30.3	28.5
Chester, Etc.		CA	55.3	BLFT19850429TD	121 01 57.80	762	2290	Chico State Enterprises		
253B	KRXQ	LIC	191.2	203.10	38 38 52.70	50.000	136.0	62.8	60.3	113.7
Sacramento		CA	10.9	BLH19931005KB	121 05 54.80	151	335	Audacy License, LLC		

255C2	KWLU	LIC	233.7	39.52	40 13 57.40	1.100	2.3	46.5	32.2	-7.5
Chester		CA	53.5	BLED20150918ACL	121 01 08.70	745	2265	Educational Media Foundation		

K253AA operates as a fill-in of KWLU and is in compliance with Section 74.1203(d). There will be no interference caused by K253AA as proposed to KWLU's signal coverage of its community of license of Chester, CA.

I.F. relationships:

None

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Environment Impact & RFR Compliance

K253AA is located at an established communications site that is in compliance with all environmental impact requirements.

K253AA as proposed will operate with an ERP of 0.067 kW (H&V, non-DA) at an antenna COR AGL height of 12.0 meters. For a worse case estimation at 2 meters above ground level the RFR is no more than 4.48% 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 K253AA as proposed 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.