

**Exhibit to Form 301 Application
Channel 300B
Sacramento, California
Auction 106 MM-FM1192-B**

This exhibit presents the technical application details for Auction 106 Permit MM-FM1192-B, Channel 300B at Sacramento, California. No change in principal community, class, or channel is proposed.

Antenna Location

The proposed antenna location is the same location as the previously licensed facility previously used for the allotment. This is the allotment site specified in the Auction 106 Public Notice, and will be limited to 50 kW effective radiated power and an average height above average terrain of 123 meters.

Spacing Compliance

Attached as Figure 1 is a spacing study from the proposed antenna location indicating compliance with the Commission's Section 73.207 rule with the exception of the facilities of KSAN and KKLC.

Spacing with KKLC

Station KKLC requested spacing via Section 73.215 with respect to the allocation of 300B Sacramento, as this instant facility is to be at the prior location this facility will continue that relationship.

Spacing with KSAN

In its Order updating the FM Table of Allotments to reinstate the Sacramento Allotment, the Media Bureau noted "Channel 300B at Sacramento, California, is 28 km short-spaced to Station KSAN(FM), Channel 299B, San Mateo, California (pre 1964 grandfathered short-spacing). ...any station operating on Channel 300B at Sacramento, California, at the allotment site specified in the Auction 106 Public Notice, will be limited to 50 kW effective radiated power and an average height above average terrain of 123 meters, in the direction of KSAN(FM). As the specifications for this facility are identical to the previous, spacing via 73.213 with KSAN will be continued.

HAAT

The FCC provided web tool "Antenna Height Above Average Terrain (HAAT) Calculator" was used to determine the HAAT of the facility. The calculated HAAT of 122 meters is given in Figure 2.

Radio Frequency Radiation Study and Statement

The proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The proposed antenna system is an Jampro JSCP-5 a 5 bay element array with 1.0 wavelength spacing between elements, which has been evaluated using the program "FM Model" set for this type of radiating element; an EPA type 2 "Opposed V Dipole "mounted with its center of radiation 128 meters above ground level, and operated with an effective radiated power of 50 kilowatts in both the horizontal and vertical. At 2 meters above ground, at 41.4 meters from the base of the tower, this proposal will contribute worst case, 25.3 microwatts per square centimeter, or 2.5 percent of the allowable ANSI limit for controlled exposure, and 12.5 percent of the allowable limit for uncontrolled exposure. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission. There are additional FM broadcast facilities which are co-located with this proposal upon the same support tower.

Further, the applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The site itself is restricted from public access. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or repair.

Figures and Attachments

Figure 1 - Antenna Location Spacing Study

300B 73.207 Allocation Study												
REFERENCE 38 42 37.65 N, 121 28 57.84 W.	CH# 300B	- 107.9 MHz, Average Protected Omni-directional	PWR= 19 kW, F(50-50)= 46.78 km	HAAT= 91.8 M,	COR= 105 M	DISPLAY DATA 09-07-21 SEARCH 09-08-21	DATES 09-07-21 09-08-21					
CH CITY	CALL STATE	TYPE ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap	*OUT* in km)		
300B DDKND% Sacramento	VAC __N CA		0.0 296.4	0.00	38 42 37.65 121 28 57.84	50,000 150	173.0 163	66.0	210.5R	-210.5M		
299B KSANK San Mateo	LIC _CN CA		216.6 36.0	140.84 BMLH19920716KA	37 41 19.70 122 26 10.80	8.900 354	100.6 412	68.6	144.5R	-3.7M	Radio License Holding Src	
300A AU6260306 Boonville	VAC ____ CA		282.0 100.8	177.99 RM10396	39 01 32.64 123 29 37.04	6.000 100	123.6 435	36.0	177.5R	0.49M	Deas Communications, Inc.	
298A KCYF-FM Sutter Creek	LIC _CN CA		118.1 298.5	72.61 0000090292	38 24 04.70 120 44 54.80	0.020 108	0.6 584	11.7	68.5R	4.1M	Blue Mountain Players	
299C3 KSRN Kings Beach	LIC _CN CA		63.6 244.6	153.78 BLH19981015KD	39 18 47.60 119 53 02.60	0.230 874	64.3 2958	30.1	144.5R	9.3M	Lazer Licenses, LLC	
298A KJCN Sutter Creek	LIC _HN CA		115.3 295.9	80.20 0000112303	38 23 57.30 120 39 08.60	0.300 206	2.2 858	24.7	68.5R	11.7M	Sonora Sierra Heritage Fou	
298A KJCN Sutter Creek	APP NCN CA		115.4 295.9	80.22 0000144063	38 23 56.50 120 39 07.90	0.300 223	2.2 875	25.3	68.5R	11.7M	Sonora Sierra Heritage Fou	
300B1 KLLF North Fork	LIC _CN CA		132.5 313.7	230.32 BLH20020607ABB	37 17 41.80 119 33 54.50	1.750 374	148.2 1541	58.4	210.5R	19.8M	Univision Radio Stations G	
298B KZSZ Colusa	LIC _CN CA		311.4 130.8	97.77 BLH19860925KB	39 17 16.50 122 20 05.90	28,000 193	11.5 410	78.5	73.5R	24.3M	Bustos Media Holdings, LLC	
297B KLVS Livermore	LIC _CN CA		207.1 26.8	111.52 BLED20161215ABW	37 48 56.70 122 03 44.80	4.100 481	7.0 671	69.7	73.5R	38.0M	San Joaquin Broadcasting C	
300C1 KKLC Fall River Mills	LIC NCN CA		353.2 173.0	245.58 BLED20150826ABC	40 54 22.50 121 49 42.90	13,000 650	153.7 1735	51.1	44.7	88.1M	Educational Media Foundati	
300B1 KSEA Greenfield	LIC _CN CA		178.9 359.0	258.32 BLH19980911KE	36 22 59.80 121 25 43.70	0.870 499	146.3 954	58.4	210.5R	47.8M	Chavez Radio Group	
247B KLLC San Francisco	LIC _CN CA		223.2 42.5	130.41 BMLH20080818ABJ	37 51 02.70 122 29 54.90	82,000 309	0.0 368	0.0	19.5R	110.9M	Audacy License, LLC	

Terrain database is Spacings Mode, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. Reference zone= - Zone 1A, Co to 3rd adjacer
All separation margins (if shown) include rounding.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"a" prefixed to 'IN' or 'OUT' values = site inside restricted contour.
* = Station meets FCC minimum distance spacing for its class.
% = Station fails 73.215. 73.215 Minimum separation distances are used

Figure 2 - HAAT

Antenna Height Above Average Terrain Calculations -- Results

Input Data

Latitude **38° 42' 37.65" North**

Longitude **121° 28' 57.84" West (NAD 83)**

These coordinates convert to NAD 27 coordinates of
38° 42' 38.00", North, 121° 28' 54.00" West (NAD 27).

Height of antenna radiation center above mean sea level: **137 meters AMSL**

Number of Evenly Spaced Radials = **72** 0° is referenced to True North

Results

Calculated HAAT = **122 meters**

Antenna Height Above Average Terrain calculated
using FCC 30 second terrain database (continental USA only)