

**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. CH# 300B - 107.9 MHz, Pwr= 19 kw, HAAT= 91.8 M, COR= 105 M DISPLAY DATES
 121 28 57.84 W. Average Protected F(50-50)= 46.78 km DATA 09-07-21
 Omni-directional SEARCH 09-08-21

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
300B	DDKDND*	VAC	___N	0.0	0.00	38 42 37.65	50,000	173.0	66.0	210.5R	-210.5M
	Sacramento	CA		296.4		121 28 57.84	150	163			
299B	KSAN*	LIC	___CN	216.6	140.84	37 41 19.70	8,900	100.6	68.6	144.5R	-3.7M
	San Mateo	CA		36.0	BMLH19920716KA	122 26 10.80	354	412	Radio License Holding Src		
300A	AU6260306*	VAC	___	282.0	177.99	39 01 32.64	6,000	123.6	36.0	177.5R	0.49M
	Boonville	CA		100.8	RM10396	123 29 37.04	100	435	Deas Communications, Inc.		
298A	KCYF-FM*	LIC	___CN	118.1	72.61	38 24 04.70	0.020	0.6	11.7	68.5R	4.1M
	Sutter Creek	CA		298.5	0000090292	120 44 54.80	108	584	Blue Mountain Players		
299C3	KSRN*	LIC	___CN	63.6	153.78	39 18 47.60	0.230	64.3	30.1	144.5R	9.3M
	Kings Beach	CA		244.6	BLH19981015KD	119 53 02.60	874	2958	Lazer Licenses, LLC		
298A	KJCN*	LIC	___HN	115.3	80.20	38 23 57.30	0.300	2.2	24.7	68.5R	11.7M
	Sutter Creek	CA		295.9	0000112303	120 39 08.60	206	858	Sonora Sierra Heritage Fou		
298A	KJCN*	APP	___NCN	115.4	80.22	38 23 56.50	0.300	2.2	25.3	68.5R	11.7M
	Sutter Creek	CA		295.9	0000144063	120 39 07.90	223	875	Sonora Sierra Heritage Fou		
300B1	KLLE*	LIC	___CN	132.5	230.32	37 17 41.80	1,750	148.2	58.4	210.5R	19.8M
	North Fork	CA		313.7	BLH20020607ABB	119 33 54.50	374	1541	Univision Radio Stations G		
298B	KZSZ*	LIC	___CN	311.4	97.77	39 17 16.50	28,000	11.5	78.5	73.5R	24.3M
	Colusa	CA		130.8	BLH19860925KB	122 20 05.90	193	410	Bustos Media Holdings, LLC		
297B	KLVS*	LIC	___NCN	207.1	111.52	37 48 56.70	4,100	7.0	69.7	73.5R	38.0M
	Livermore	CA		26.8	BLED20161215ABW	122 03 44.80	481	671	San Joaquin Broadcasting C		
300C1	KKLC	LIC	___NCN	353.2	245.58	40 54 22.50	13,000	153.7	51.1	44.7	88.1
	Fall River Mills	CA		173.0	BLED20150826ABC	121 49 42.90	650	1735	Educational Media Foundati		
300B1	KSEA*	LIC	___CN	178.9	258.32	36 22 59.80	0.870	146.3	58.4	210.5R	47.8M
	Greenfield	CA		359.0	BLH19980911KE	121 25 43.70	499	954	Chavez Radio Group		
247B	KLLC*	LIC	___CN	223.2	130.41	37 51 02.70	82,000	0.0	0.0	19.5R	110.9M
	San Francisco	CA		42.5	BMLH20080818ABJ	122 29 54.90	309	368	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)
 "*" affixed 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)