

Educational Media Foundation

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Exhibit 18

Linden, CA

Channel Study

REFERENCE		CH# 207A - 89.3 MHz, Pwr= 2 kW, HAAT= 71.6 M, COR= 125 M								DISPLAY DATES	
37 58 27.0 N.		Average Protected F(50-50)= 18.6 km								DATA 07-13-16	
120 58 08.0 W.		Omni-directional								SEARCH 07-13-16	
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*
207B1 Linden	KLRS!	LIC DVX CA		52.9 233.1	26.83 BLED20160318ABS	38 07 10.0 120 43 27.0	0.450 587	106.8 945	40.5 Educational Media Foundati	-92.0	-59.1
207A North Highlands	KQEI-FM	LIC DCX CA		331.5 151.2	93.28 BLED20110411AAI	38 42 38.0 121 28 54.0	3.300 108	72.4 122	23.2 Kqed Inc.	1.9	5.7
205B Sacramento	KXPR	LIC DCN CA		305.6 125.3	57.36 BLED19950926KB	38 16 25.0 121 30 11.0	50.000 150	5.9 152	51.6 California State Universit	30.1	3.8
208A Ceres	KBES	LIC CX CA		178.5 358.5	42.81 BLED20100901ACT	37 35 21.0 120 57 23.0	0.150 40	11.0 72	7.7 Bet Nahrain, Inc.	11.6	5.4
206B1 Livingston	KCJH	LIC DVX CA		163.4 343.6	76.34 BLED20050506AAZ	37 18 57.0 120 43 20.0	13.500 93	51.5 126	33.0 Your Christian Companion N	5.8	15.5
208A Tracy	KYNJ	APP DVX CA		231.5 51.2	57.18 BNPED20071022AOK	37 39 10.0 121 28 38.0	0.050 94	23.2 354	15.5 Peace And Justice Network	11.8	8.7
208A Tracy	KYNJ	LIC HX CA		233.8 53.5	56.21 BLED20130328AKC	37 40 27.6 121 29 03.7	0.100 -49	18.5 175	12.4 Peace And Justice Network	15.6	10.8
261A Stockton	KQOD<	LIC CX CA		277.0 96.8	20.84 BLH20110118ABO	37 59 47.8 121 12 15.9	6.000 100	168.5 115	69.3 Capstar Tx, Llc	10.0R	10.8M
205B Sacramento	KXPR	CP CX CA		343.6 163.5	62.29 BPED20150807AAA	38 30 42.0 121 10 14.0	50.000 123	5.5 183	49.2 California State Universit	39.2	11.3
207B Fresno	KVPR	LIC CN CA		126.0 306.9	168.55 BLED198211108AH	37 04 25.0 119 25 52.0	2.450 576	139.3 1398	60.7 White Ash Broadcasting, In	11.6	46.0
209B Lodi	KCAI	LIC DCX CA		305.4 125.0	57.38 BLED200811103AAE	38 16 18.0 121 30 18.0	2.500 487	2.5 489	42.8 Educational Media Foundati	33.5	12.6
207A Fremont	KOHL	LIC DEN CA		239.7 59.1	95.47 BLED19930503KA	37 32 14.0 121 54 14.0	0.145 124	39.1 329	11.4 Fremont-newark Community C	34.2	14.0
207A San Jose	KMTG	LIC DCX CA		222.8 42.2	116.45 BLED20040803ABX	37 12 06.0 121 51 42.0	0.300 -95	33.4 185	10.0 San Jose Unified School Di	60.9	36.5
207A Berkeley	KPFB	LIC DHN CA		264.7 83.9	114.81 BLED19910909KB	37 52 20.0 122 16 18.0	0.460 -30	16.2 72	5.0 Pacifica Foundation, Inc.	76.5	39.9
210B Le Grand	KEFR	LIC CN CA		120.4 301.0	95.92 BLED19910610KB	37 32 01.0 120 01 50.0	1.800 653	2.8 1330	46.1 Family Stations, Inc.	75.3	48.1
204B Modesto	KMPO	LIC CN CA		120.3 300.9	96.38 BLED19840213AO	37 32 00.0 120 01 29.0	2.050 622	2.9 1311	45.4 Radio Bilingue, Inc.	75.6	49.2
208B1 Nevada City	KVMR	LIC C CA		0.2 180.2	141.44 BLED20001020AAK	39 14 47.0 120 57 48.0	1.750 345	66.6 1205	43.7 Nevada City Community Broa	57.8	72.7
207A Moss Beach	KRSA	LIC DCX CA		251.4 70.5	140.43 BLED20090707ACC	37 33 44.0 122 28 46.0	0.043 498	26.6 581	6.5 Educational Public Radio,	91.6	63.8
208A Moraga	KSMC	LIC DHN CA		261.9 81.2	101.20 BLED19840702CA	37 50 25.0 122 06 36.0	0.800 24	5.8 205	4.1 Associated Students Of St.	73.3	64.2
207A Santa Cruz	KZJV	LIC DH CA		224.6 44.0	139.58 BLED20160119ACG	37 04 32.7 122 04 28.7	0.300 -110	10.1 166	3.1 Eschaton Foundation	107.4	66.4

Terrain database is FCC NGDC 30 Sec, 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 adjacent.

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.

Exhibit 18-A

FMCommander Single Allocation Study - 07-22-2016 - FCC NGDC 30 Sec
KLRS.P's Overlaps (In= 1.93 km, Out= 5.73 km)

KLRS.P CH 207 A

Lat= 37 58 27.0, Lng= 120 58 08.0

2.0 kW 71.6 m HAAT, 125 m COR

Prot.= 60 dBu, Intef.= 40 dBu

KQEI-FM CH 207 A DA BLED20110411AAI

Lat= 38 42 38.0, Lng= 121 28 54.0

3.3 kW 108 m HAAT, 122 m COR

Prot.= 60 dBu, Intef.= 40 dBu

