

Channel Study

REFERENCE		CH# 217D - 91.3 MHz, Pwr= 0.019 kW, HAAT= 176.6 M, COR= 539 M							DISPLAY DATES		
33 48 08.1 N.		Average Protected F(50-50)= 9.1 km							DATA 12-12-19		
116 13 30.0 W.		Omni-directional							SEARCH 12-16-19		
CH	CALL	TYPE	ANT	AZI.	DIST	LAT.	Pwr (kW)	INT (km)	PRO (km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG.	HAAT (M)	COR (M)	LICENSEE	(Overlap	in km)
217D	K217EZ!	LIC	D	270.0	0.00	33 48 08.10	0.040		---	Reference---	
Coachella			CA	90.0	BLFT20190904ACC	116 13 30.00		539	The Association For Commun		
217D	K217EZ!	APP		270.0	0.00	33 48 08.10	0.010		---	Reference---	
Coachella			CA	90.0	0000088010	116 13 30.00		539	The Association For Commun		
217B	KWTH	LIC		338.5	100.49	34 38 38.90	1.550	131.5	55.9	-34.7*<	32.8
Barstow			CA	158.3	BLED20060106ABX	116 37 41.00	700	1838	Calvary Chapel Of Costa Me		
219A	KHCS	LIC		290.3	20.51	33 51 57.10	0.960	2.0	30.8	5.8	-10.6*<
Palm Desert			CA	110.1	BLED19971112KI	116 25 59.00	175	481	Educational Media Foundati		
215A	KPSH	LIC	D	290.7	20.62	33 52 03.10	0.230	0.8	19.9	7.1	0.4
Coachella			CA	110.6	BLED20031223ABE	116 26 01.00	190	498	Family Worship Center Chur		
217A	KKJD	LIC		192.7	63.46	33 14 39.10	0.190	22.1	6.6	26.0	2.4
Borrego Springs			CA	12.7	BLED20130625AAN	116 22 33.00	-352	193	Borrego Springs Christian		
06 -- «											
STA	EN	219.8	11.44		32 26 27.21	0.030	2.5	3.7	6.2R	5.2M	
Palm Springs			CA	39.7	0000092544	114 45 23.85		61			
217D	K217EF	LIC	D	102.7	73.28	33 39 18.10	0.010	44.6	11.1	20.7	35.4
Desert Center			CA	283.1	BLFT20020424AAQ	115 27 14.90	609	1163	The Association For Commun		
216D	K216CX	LIC	D	324.8	42.58	34 06 55.00	0.056	4.2	3.0	30.8	28.9
Yucca Valley			CA	144.7	BMLFT20150617AAY	116 29 30.00	51	1223	Calvary Chapel Of Twin Fal		
217A	KPRI	LIC	D	238.5	92.04	33 22 00.10	0.100	18.6	5.6	58.5	33.7
Pala			CA	58.0	BLED20101203ABT	117 04 08.10	-325	151	Pala Band Of Mission India		
216B1	KKLP	APP	D	272.9	67.55	33 49 49.10	0.285	4.3	3.1	48.8	42.4
Perris			CA	92.4	0000089359	116 57 14.10	464	1161	Educational Media Foundati		
216B1	KKLP	CP	D	272.9	67.55	33 49 49.10	0.285	4.3	3.1	48.8	42.4
Perris			CA	92.4	BPED20181231ABD	116 57 14.10	464	1161	Educational Media Foundati		
216A	KKLP	LIC	D	272.9	67.55	33 49 49.20	0.200	4.0	2.8	49.1	42.6
Perris			CA	92.5	BLED20150109AAY	116 57 14.10	450	1146	Educational Media Foundati		
220D	K220GJ	LIC	D	192.6	61.82	33 15 30.10	0.050	0.4	4.2	46.0	57.3
Borrego Springs			CA	12.6	BLFT20140210AAH	116 22 15.00	-348	185	Calvary Chapel Of Twin Fal		
215D	K215BA	LIC	D	295.9	60.46	34 02 17.00	0.010	0.1	8.7	48.7	51.5
Beaumont			CA	115.6	BLFT20040920AAL	116 48 52.10	770	2432	Santa Monica Community Col		
218B	XHJCFM	LIC	D	150.7	147.45	32 38 37.20	14.118	46.3	65.0	86.5	50.6
Mexicali			BN	331.1		115 27 12.00	60	67			
214C	XHMOEFM	LIC	D	150.6	147.75	32 38 30.20	100.000	6.5	92.0	126.6	55.5
Mexicali			BN	331.0		115 27 03.00	114	122			

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= East Zone 2A, 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.

< = Contour Overlap

Reference station has protected zone issue: Mexico

Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KHCS, channel 219A, Palm Desert, CA. According to 74.1204(a)(3), in order to protect second and third adjacent facilities, the difference in dBu between the two facilities must not exceed 40dBu.

The proposed ERP for K217EZ.P:	19 watts
The proposed COR for K217EZ.P:	9 meters
KHCS F(50/50) contour at proposed site:	67.5 dBu
The F(50/10) contour of proposed K217EZ.P	107.5 dBu

Exhibit 13–A1 is a Google Earth map showing the antenna site location with the interfering contour overlaid. As can be seen there are no regularly occupied structures within the interference contour.

Therefore, the permittee respectfully requests a waiver of C.F.R. 74.1204 based on no population within the area of predicted interference.

Exhibit 13-A1

K217EZ interfering contour

Legend



Google Earth

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900 ft