

Minor Change Application

The proposed minor change application specifies an increase in the ERP and change in the antenna as is indicated below:

	Licensed	Minor Change
Channel / Class	270 D	270 D
Geographical Coordinates	33 52 04 / 116 25 59	33 52 04 / 116 25 59
ASRN	N/A	N/A
Site AMSL	480 m	480 m
Tower AGL	12 m	17 m
COR AGL	12 m	12 m
COR AMSL	492 m	492 m
HAAT	177.6 m	178 m
ERP	0.01 kW (H&V, DA)	0.095 kW (H&V, non-DA)

The below listed pages of this exhibit contains information as indicated.

Page 2 Tabulation of HAAT / ERP / distance to 60 dBu contour
Page 3 60 dBu contour map
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Tabulation of HAAT / ERP / distance to 60 dBu contour

CH 270 33 52 04 / 116 25 59 0.095 kW ERP (non-DA) 492 m COR AMSL 178 m HAAT

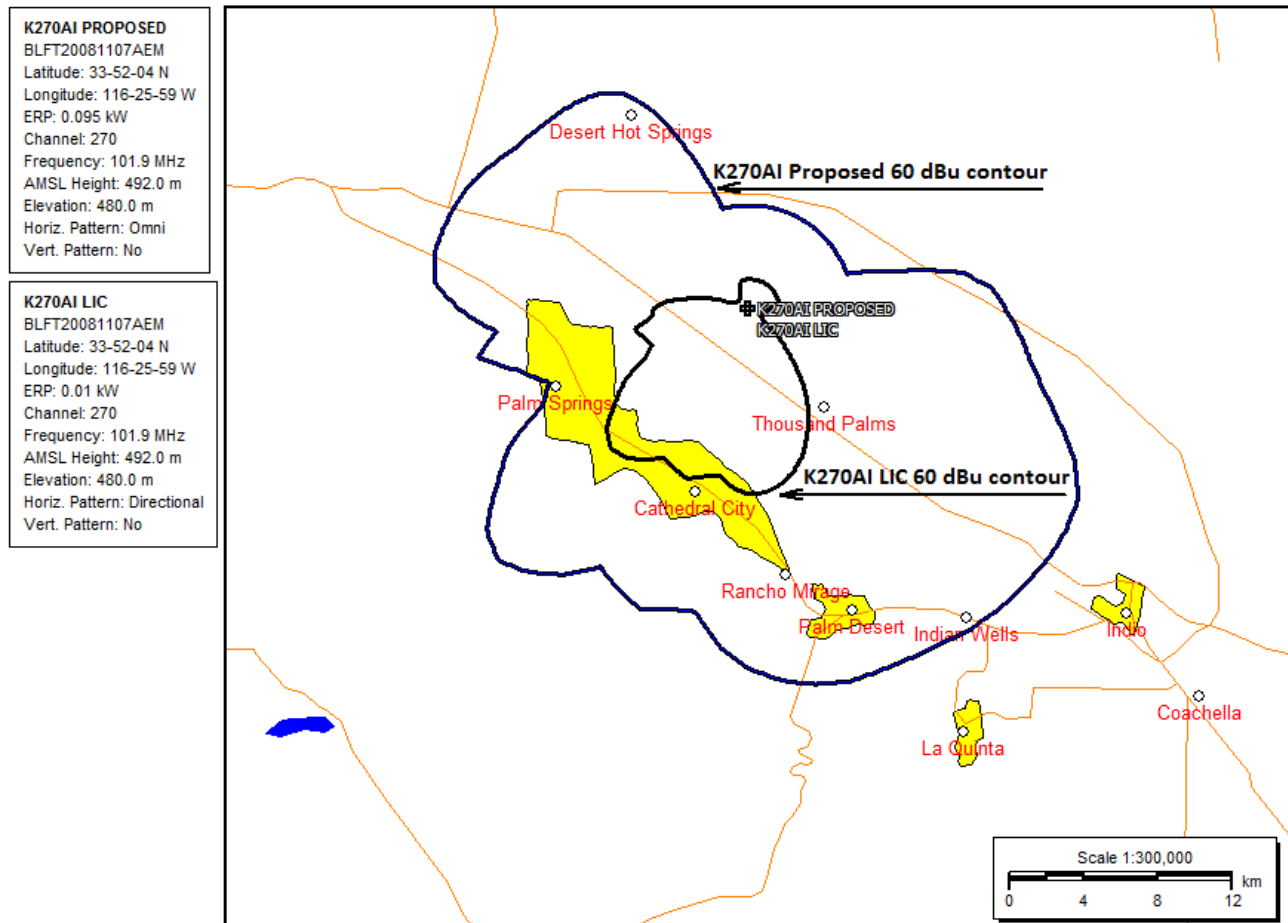
Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	563.2	-71.2	0.0950	-10.22	1.000	5.56
010	697.2	-205.2	0.0950	-10.22	1.000	5.56
020	654.5	-162.5	0.0950	-10.22	1.000	5.56
030	658.5	-166.5	0.0950	-10.22	1.000	5.56
040	741.6	-249.6	0.0950	-10.22	1.000	5.56
050	646.4	-154.4	0.0950	-10.22	1.000	5.56
060	562.0	-70.0	0.0950	-10.22	1.000	5.56
070	505.5	-13.5	0.0950	-10.22	1.000	5.56
080	363.1	128.9	0.0950	-10.22	1.000	11.47
090	309.9	182.1	0.0950	-10.22	1.000	13.74
100	266.3	225.7	0.0950	-10.22	1.000	15.24
110	195.5	296.5	0.0950	-10.22	1.000	17.67
120	96.4	395.6	0.0950	-10.22	1.000	20.32
130	74.6	417.4	0.0950	-10.22	1.000	20.84
140	73.2	418.8	0.0950	-10.22	1.000	20.87
150	83.2	408.8	0.0950	-10.22	1.000	20.63
160	85.6	406.4	0.0950	-10.22	1.000	20.58
170	93.8	398.2	0.0950	-10.22	1.000	20.38
180	140.2	351.8	0.0950	-10.22	1.000	19.23
190	232.0	260.0	0.0950	-10.22	1.000	16.44
200	214.4	277.6	0.0950	-10.22	1.000	17.05
210	246.6	245.4	0.0950	-10.22	1.000	15.92
220	172.3	319.7	0.0950	-10.22	1.000	18.37
230	172.2	319.8	0.0950	-10.22	1.000	18.37
240	276.6	215.4	0.0950	-10.22	1.000	14.88
250	364.6	127.4	0.0950	-10.22	1.000	11.41
260	280.5	211.5	0.0950	-10.22	1.000	14.74
270	258.9	233.1	0.0950	-10.22	1.000	15.50
280	211.8	280.2	0.0950	-10.22	1.000	17.14
290	225.1	266.9	0.0950	-10.22	1.000	16.69
300	252.8	239.2	0.0950	-10.22	1.000	15.71
310	276.1	215.9	0.0950	-10.22	1.000	14.90
320	289.2	202.8	0.0950	-10.22	1.000	14.44
330	321.6	170.4	0.0950	-10.22	1.000	13.30
340	424.1	67.9	0.0950	-10.22	1.000	8.38
350	540.9	-48.9	0.0950	-10.22	1.000	5.56

FCC 30 second terrain database

(yellow highlighted values establish average HAAT)

60 dBu contour

This minor change application proposes an increase in the ERP with no change to the site location. The proposed 60 dBu contour will continue to have overlap with the licensed 60 dBu contour.



Allocation Study

CH 270 33 52 04 / 116 25 59 0.095 kW ERP (non-DA) 492 m COR AMSL 178 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 in km)	*OUT*
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Reference station:

270D	K270AI	LIC	0.0	0.00	33 52 04.0	0.010	4.5	1.6		
Cathedral City	CA	0.0	BLFT20081107AEM	116 25 59.0	178	492	Educational Media Foundation			

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

267A	KATY-FM	LIC	241.6	33.24	33 43 31.0	1.550	1.6	11.3	14.0	20.1
Idyllwild	CA	61.5	BMLH20071002ACQ	116 44 58.0	200	1650	All Pro Broadcasting, Inc.			
268D	K268AH	LIC	89.0	18.97	33 52 14.0	0.010	0.2	12.6	4.6	5.6
Palm Springs	CA	269.1	BLFT20161011AAL	116 13 39.0		810	Educational Media Foundation			
269A	KXSB	LIC	314.0	55.38	34 12 47.0	0.300	39.4	25.7	1.1	7.1
Big Bear Lake	CA	133.8	BLH19951010KB	116 51 59.0	431	2616	Lazer Licenses, Llc			
269L1	KKLQ-LP	CP	155.6	26.54	33 39 01.2		0.100		-3.9	-11.3*
La Quinta	CA	335.7	BNPL20131113BNP	116 18 52.4-316		103	Gospel Spots, Inc.			

NOTE: KKLQ-LP Construction Permit has been surrendered as of 3/6/2017.

270A	KJVV	LIC	34.3	38.55	34 09 15.0	1.000	35.6	10.2	-4.1	9.2
Twentynine Palms	CA	214.4	BLH20140922AAS	116 11 50.0	66	945	Virtues Communications Net			
270B	KSCA	LIC	285.2	155.24	34 13 26.0	4.800	151.4	83.2	-13.1	0.1
Glendale	CA	104.3	BMLH20111031ADQ	118 03 45.0	863	1763	Univision Radio License Co			
271B	KLVJ	LIC	213.7	137.04	32 50 24.0	30.000	75.4	63.8	43.0	33.5
Encinitas	CA	33.3	BMLH20151005ABH	117 14 52.0	193	265	Educational Media Foundation			
271D	K271CI	LIC	298.4	39.86	34 02 16.0	0.006	1.7	1.0	21.8	13.0
Banning, Etc.	CA	118.2	BLFT20151112XSW	116 48 49.0		2431	Alpha Media Licensee Llc			
272A	KRHQ	LIC	89.0	18.97	33 52 14.0	2.600	3.3	49.5	1.5	-31.2*
Indio	CA	269.1	BLH19981124KE	116 13 39.0	101	820	R M Broadcasting, Llc			
273A	NEW	CP	236.8	56.07	33 35 26.0	4.700	1.6	14.8	36.0	37.6
Hemet	CA	56.5	BNPED20100225AAP	116 56 23.0	108	816	First Baptist Church Of He			

I.F. relationships:

None

International (Mexico) Compliance:

270B	XHPFFM	OPE	145.9	163.81	32 38 37.0	14.200	96.3	65.0	46.9	15.7
Mexicali	BN	326.5			115 27 09.0	60	68			

K270AI is located a minimum of 141.0 km from the Mexico border. The proposed 60 dBu contour of K270AI will extend out less than 21 km in any direction, a minimum of 120 km from the border, thus the 60 dBu contour will not be within 116.3 km of the border in accordance with Section 73.1235(d)(2).

Terrain database is FCC 30 SEC

Contour distances are on direct line to and from reference station.

Allocation Study

K270AI will be located within the 60 dBu contour of the following second adjacent facility:

KRHQ (LIC), CH 272A, Indio, CA

KRHQ signal strength at the K270AI site	77.8 dBu
K270AI interference contour	117.8 dBu
Distance to K270AI interference contour	90 meters

Educational Media Foundation is filing an application for K268AH to relocate to the K270AI site and share the same antenna, thus there will be no interference issue or population affected resulting from the K268AH site change. The K270AI interference contour to KRHQ extends out 90 meters (295') from the tower, however, there are no structures other than unoccupied equipment shelters within this distance. Therefore, based on the showing of no population within the area of predicted interference, a waiver of Section 74.1204(d) is respectfully requested.



Allocation Study

The following pages of this Exhibit demonstrate the lack of prohibited overlap between K270AI as proposed and KSCA (LIC), CH 270B, Glendale, CA.

KSCA LIC				K270AI PROPOSED					
CH 270 B				CH 270 D					
Max ERP 4.8 kW				Max ERP 0.095 kW					
COR AMSL 1763 m				COR AMSL 492 m					
34 13 26 / 118 03 45				33 52 04 / 116 25 59					
Protected 54 dBu				Interfering 34 dBu					
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	
095.0	004.8000	0656.5	076.9	294.1	000.0950	0258.6	080.4	30.28	
096.0	004.8000	0674.8	077.5	293.4	000.0950	0260.4	079.3	30.68	
097.0	004.8000	0693.6	078.2	292.5	000.0950	0262.0	078.3	31.07	
098.0	004.8000	0713.9	078.9	291.7	000.0950	0263.6	077.3	31.45	
099.0	004.8000	0737.4	079.8	290.8	000.0950	0265.4	076.2	31.87	
100.0	004.8000	0758.5	080.5	289.8	000.0950	0267.2	075.3	32.23	
101.0	004.8000	0780.2	081.1	288.9	000.0950	0268.9	074.4	32.58	
102.0	004.8000	0804.3	081.9	287.8	000.0950	0270.5	073.5	32.93	
103.0	004.8000	0828.3	082.6	286.7	000.0950	0272.1	072.7	33.25	
104.0	004.8000	0847.2	083.1	285.6	000.0950	0273.7	072.2	33.49	
105.0	004.8000	0858.9	083.4	284.4	000.0950	0275.2	071.9	33.65	
106.0	004.8000	0867.7	083.6	283.3	000.0950	0276.8	071.7	33.75	
107.0	004.8000	0877.0	083.9	282.1	000.0950	0278.3	071.6	33.84	
108.0	004.8000	0887.8	084.1	280.9	000.0950	0279.5	071.5	33.91	
109.0	004.8000	0900.2	084.4	279.7	000.0950	0280.3	071.4	33.95	
110.0	004.8000	0912.8	084.7	278.5	000.0950	0280.9	071.5	33.97	
111.0	004.8000	0925.8	085.0	277.3	000.0950	0281.5	071.5	33.96	
112.0	004.8000	0940.3	085.3	276.1	000.0950	0280.3	071.6	33.89	
113.0	004.8000	0959.6	085.7	274.8	000.0950	0273.2	071.7	33.64	
114.0	004.8000	0978.7	086.1	273.6	000.0950	0265.6	071.8	33.35	
115.0	004.8000	0998.2	086.5	272.4	000.0950	0255.1	072.0	32.94	
116.0	004.8000	1019.5	087.0	271.1	000.0950	0243.5	072.3	32.47	
117.0	004.8000	1042.4	087.4	269.9	000.0950	0232.1	072.5	31.98	
118.0	004.8000	1065.2	087.9	268.7	000.0950	0211.9	072.9	31.11	
119.0	004.8000	1088.7	088.3	267.4	000.0950	0189.3	073.3	30.06	

Allocation Study

Map of K270AI proposed and KSCA (LIC) protected and interference contours

