

**Proposed Minor Construction Permit Modification Application**

The proposed minor construction permit modification application specifies changes to the technical parameters as is indicated below:

	Construction Permit	Proposed CP Mod
Channel / Class	243 D	243 D
Geographical Coordinates	32 49 18 / 111 42 42	32 49 18 / 111 42 42
ASRN	N/A	N/A
Site AMSL	712 m	670 m
Tower AGL	46 m	5 m
COR AGL	46 m	5 m
COR AMSL	758 m	675 m
HAAT	312 m	229 m
ERP	0.060 kW (H&V, non-DA)	0.060 kW (H&V, non-DA)

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

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Page 3            Construction Permit & Proposed 60 dBu contour map  
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Tabulation of HAAT / ERP / distance to 60 dBu contour

CH 243      32 49 18 / 111 42 42      0.060 kW ERP non-DA      675 m COR AMSL      229 m HAAT

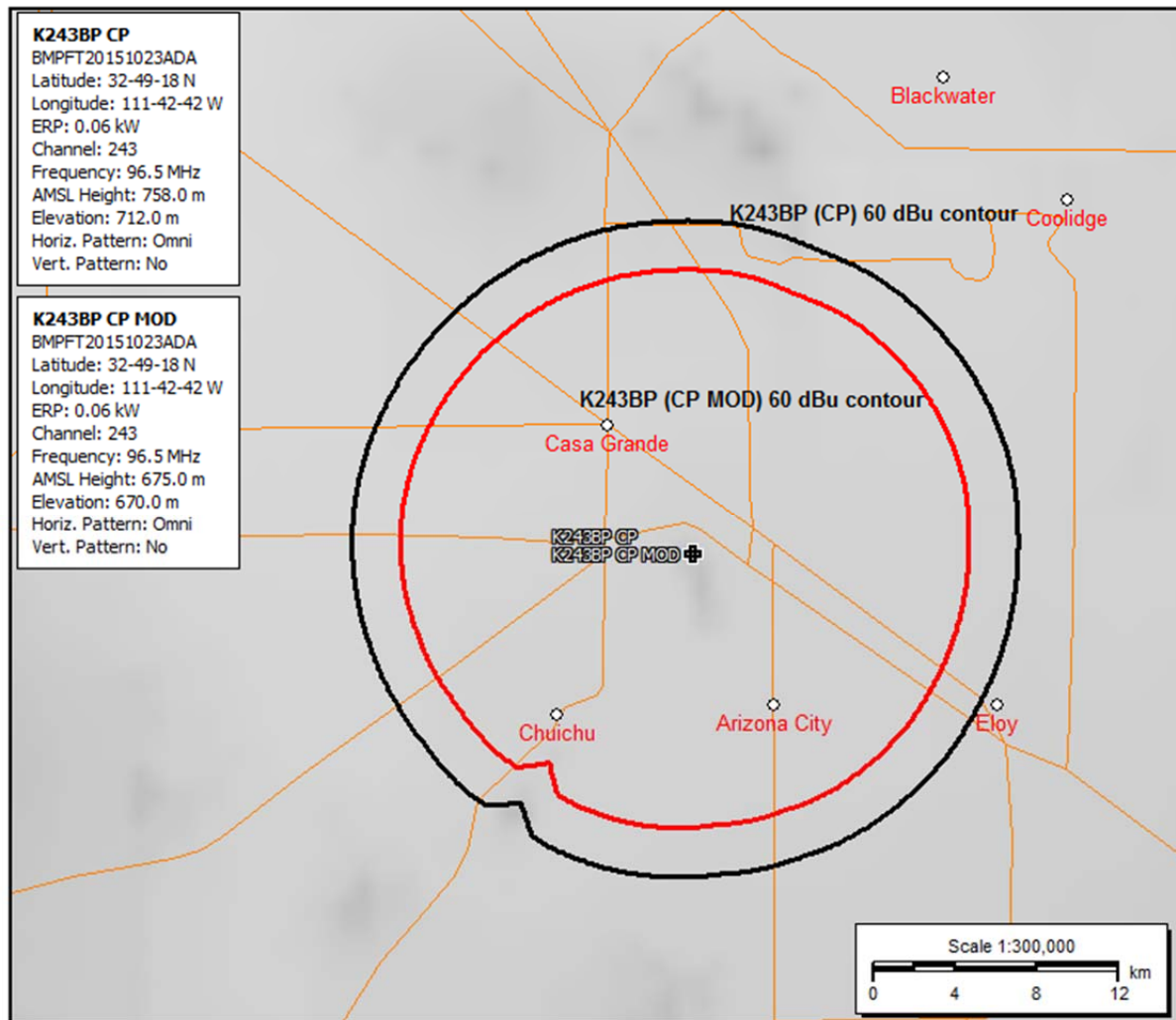
Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	438.2	236.8	0.0600	-12.22	1.000	13.91
010	440.8	234.2	0.0600	-12.22	1.000	13.84
020	448.5	226.5	0.0600	-12.22	1.000	13.62
030	443.4	231.6	0.0600	-12.22	1.000	13.77
040	441.7	233.3	0.0600	-12.22	1.000	13.82
050	442.3	232.7	0.0600	-12.22	1.000	13.80
060	445.5	229.5	0.0600	-12.22	1.000	13.71
070	450.0	225.0	0.0600	-12.22	1.000	13.57
080	452.7	222.3	0.0600	-12.22	1.000	13.49
090	458.9	216.1	0.0600	-12.22	1.000	13.31
100	461.0	214.0	0.0600	-12.22	1.000	13.25
110	461.8	213.2	0.0600	-12.22	1.000	13.23
120	461.1	213.9	0.0600	-12.22	1.000	13.25
130	459.3	215.7	0.0600	-12.22	1.000	13.30
140	459.9	215.1	0.0600	-12.22	1.000	13.28
150	460.9	214.1	0.0600	-12.22	1.000	13.25
160	464.5	210.5	0.0600	-12.22	1.000	13.15
170	467.3	207.7	0.0600	-12.22	1.000	13.06
180	465.7	209.3	0.0600	-12.22	1.000	13.11
190	460.5	214.5	0.0600	-12.22	1.000	13.27
200	459.1	215.9	0.0600	-12.22	1.000	13.31
210	460.5	214.5	0.0600	-12.22	1.000	13.27
220	456.5	218.5	0.0600	-12.22	1.000	13.39
230	451.1	223.9	0.0600	-12.22	1.000	13.54
240	447.8	227.2	0.0600	-12.22	1.000	13.64
250	438.9	236.1	0.0600	-12.22	1.000	13.89
260	430.2	244.8	0.0600	-12.22	1.000	14.14
270	423.6	251.4	0.0600	-12.22	1.000	14.33
280	420.3	254.7	0.0600	-12.22	1.000	14.42
290	418.7	256.3	0.0600	-12.22	1.000	14.46
300	421.7	253.3	0.0600	-12.22	1.000	14.38
310	423.4	251.6	0.0600	-12.22	1.000	14.33
320	427.5	247.5	0.0600	-12.22	1.000	14.21
330	429.0	246.0	0.0600	-12.22	1.000	14.17
340	431.3	243.7	0.0600	-12.22	1.000	14.11
350	435.6	239.4	0.0600	-12.22	1.000	13.99

FCC NGDC 30 second terrain database

(yellow highlighted values establish average HAAT)

**Construction Permit & Proposed CP Modification 60 dBu contours**

The proposed CP Modification 60 dBu contour will continue to have overlap with the CP 60 dBu contour.



Allocation Study

CH 243 32 49 18 / 111 42 42 0.060 kW ERP non-DA 675 m COR AMSL 229 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:**

243D	K243BP	CP	0.0	0.00	32 49 18.0	0.060	53.3	16.3		
Casa Grande		AZ	0.0	BMPFT20151023ADA	111 42 42.0		758	Educational Media Foundation		

**1<sup>st</sup>, 2<sup>nd</sup>, & 3<sup>rd</sup> adjacent channel relationships:**

241D	K241BQ	CP	330.1	65.48	33 19 57.0	0.120	0.3	13.8	51.0	51.1
Ft McDowell		AZ	149.9	BPFT20151211ABI	112 03 48.0		819	ltv.com, Inc.		
241D	K241BQ	LIC	5.1	74.70	33 29 33.0	0.250	0.7	18.6	60.1	55.5
Ft McDowell		AZ	185.2	BLFT20130314ABN	111 38 23.0	267	777	ltv.com, Inc.		
241C	KLPX	LIC	138.6	84.62	32 14 56.0	100.000	13.0	89.5	58.3	-5.4
Tucson		AZ	318.9	BLH19900503KD	111 06 59.0	595	1360	Arizona Lotus Corp.		
243C2	KIKO-FM	RSV-A	57.5	97.35	33 17 20.0	50.000	151.9	62.9	-68.3	-11.2
Claypool		AZ	238.0		110 49 45.0	150	1495	ltv.com, Inc.		
243C2	KIKO-FM	APP	48.8	89.82	33 21 05.0	40.000	144.5	59.0	-68.4	-15.1
Claypool		AZ	229.2	BPH20151123AAY	110 59 02.0	166	1423	ltv.com, Inc.		
243C	KRFM	LIC	46.4	225.02	34 12 20.0	100.000	180.8	78.0	30.4	101.1
Show Low		AZ	227.3	BMLH20120917ACR	109 56 26.0	303	2378	Petracom Of Holbrook, Llc		
243D	K243BN	CP	337.8	92.94	33 35 47.0	0.250	70.2	23.4	8.6	22.5
Laveen		AZ	157.6	BPFT20150713ABF	112 05 31.0		688	Educational Media Foundation		
243D	K243BN	LIC	337.8	92.94	33 35 47.0	0.250	66.4	21.7	12.4	24.2
Laveen		AZ	157.6	BLFT20140909ABX	112 05 31.0	279	688	Educational Media Foundation		
243C	NEW-FM		230.1	187.96	31 43 44.0	0.000	0.0	92.0	174.3	50.6
Sonoita		SO	49.3		113 14 15.0		181			
243D	K243CC	CP	138.6	84.59	32 14 57.0	0.205	16.2	3.0	55.1	37.5
Tucson		AZ	318.9	BMPFT20140828ACD	111 06 59.5		1339	Educational Media Foundation		
245C	KMXP	LIC	330.4	65.48	33 20 03.0	100.000	12.4	85.2	38.9	-20.3
Phoenix		AZ	150.2	BMLH19941024KC	112 03 36.0	475	834	Citicasters Licenses, Inc.		
246C3	KYWD	CP	136.4	125.09	32 00 10.7	25.000	5.7	51.5	106.1	73.0
Green Valley		AZ	316.9	BPH20141014ABL	110 47 48.7	100	1063	Capstar Tx, Llc		
246A	KYWD	LIC	148.4	109.88	31 58 37.0	1.750	2.5	35.7	94.1	73.7
Green Valley		AZ	328.8	BLH20030424AAM	111 06 04.0	187	1227	Capstar Tx, Llc		

**I.F. relationships:**

None

Terrain database is FCC NGDC 30 SEC  
Contour distances are on direct line to and from reference station.

**Allocation Study**

An FM translator that is located within 125 km and 320 km of the Mexican border is restricted from having the 60 dBu contour within 116.3 km of the Mexican border. K243BP is located 132.2 km from the Mexican border. The proposed CP modification 60 dBu contour extends out no more than 13.3 km towards the Mexican border resulting in a 2.6 km clear margin beyond 116.3 km. Therefore K243BP's proposed CP modification is in full compliance with the requirements of Section 74.1235(d)(2) of the Commission's rules.

**Allocation Study**

K243BP will be located within the 60 dBu contour of the following second adjacent facilities:

KLPX (LIC), CH 241, Tucson, AZ

KLPX signal strength at the K243BP site	62.1 dBu
K243BP interference contour	102.1 dBu
Distance to K243BP interference contour	427.6 meters

KMXP (LIC), CH 245, Phoenix, AZ

KMXP signal strength at the K243BP site	68.0 dBu
K243BP interference contour	108.0 dBu
Distance to K243BP interference contour	217.5 meters

There are no populated structures within the 427.6 distance to K243BP's interference contour (to KLPX, worst case, see below map). Therefore, based on the showing of no population within the area of predicted interference, a waiver of Section 74.1204(d) is respectfully requested.

