

**Exhibit to KHKZ Application**  
**Minor Change**  
**San Benito, Texas**  
**Facility ID: 36166**

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This exhibit presents the technical details of a change in antenna location to an immediately adjacent tower location due to the dismantlement of the present support tower. The distance of this relocation is approximately 110 meters along a bearing of 63.7°T from the presently licensed facility. No change in principal community, class, or channel is proposed.

**Antenna Location**

The proposed antenna for KHKZ is to be mounted 100 meters above ground on a tower to be constructed on immediately adjacent property by the owner of the present tower. Once an Antenna Structure Registration Number (ASRN) for the new tower is available this instant application will be amended to add that specification.

The antenna Height Above Average Terrain (HAAT) for use in the application of this proposal was determined using the FCC provided webpage with the following inputs and results:

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|26|08|35.00|N|97|49|55.40|W|NAD 27|  
|117.0  meters RCAMSL|  
|100.4  meters Calculated HAAT|  
|GLOBE 1 km terrain data |
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A directional antenna is proposed for this facility having the directional pattern provided in Figure 0.

**Proposed Location 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 KPSO-FM and KBIC assuming directional pattern provided in Figure 0.

With respect to the Country of Mexico we are requesting a restricted allotment as necessary. The proposed location is short-spaced to the second-adjacent channel vacant allotment at Reynosa, TA as well as the facility and used allotment of XHNA at Matamoros, TX, Mexico on channels 294A and 290AA respectively.

#### **Short-spaced Domestic Stations at Proposed Location**

Spacing to the facilities and application of KPSO-FM and KBIC is requested via Section 73.215. Attached as Figure 2 is a contour overlap study which is representative of the results of an "FM Over" study of the proposed facility, indicating no prohibited contour overlap is calculate to result from this proposal. Attached as Figures 3 and 4 are contour maps depicting the material contours of this proposal as well as those of KPSO-FM and KBIC.

#### **294A Reynosa, TA Compliance**

An allocation study has been conducted in order to demonstrate equivalent protection to the 294A Reynosa allotment. Attached as Figure 5 and Figure 6 is an engineering study, conducted pursuant to the radial interpolation method set forth in the US-Mexico FM Agreement, as well as a contour map, which demonstrates that protection is provided to the 294A Reynosa, TA allotment.

#### **290A Los Villarreales, TA Contour Compliance**

An allocation study has been conducted in order to demonstrate equivalent protection to the 290A Los Villarreales used allotment. Attached as Figure 7 and Figure 8 is an engineering study, conducted pursuant to the radial interpolation method set forth in the US-Mexico FM Agreement, as well as a contour map, which demonstrates that protection is provided to the 290A Los Villarreales, TA used allotment

#### **Radio Frequency Radiation Study and Statement**

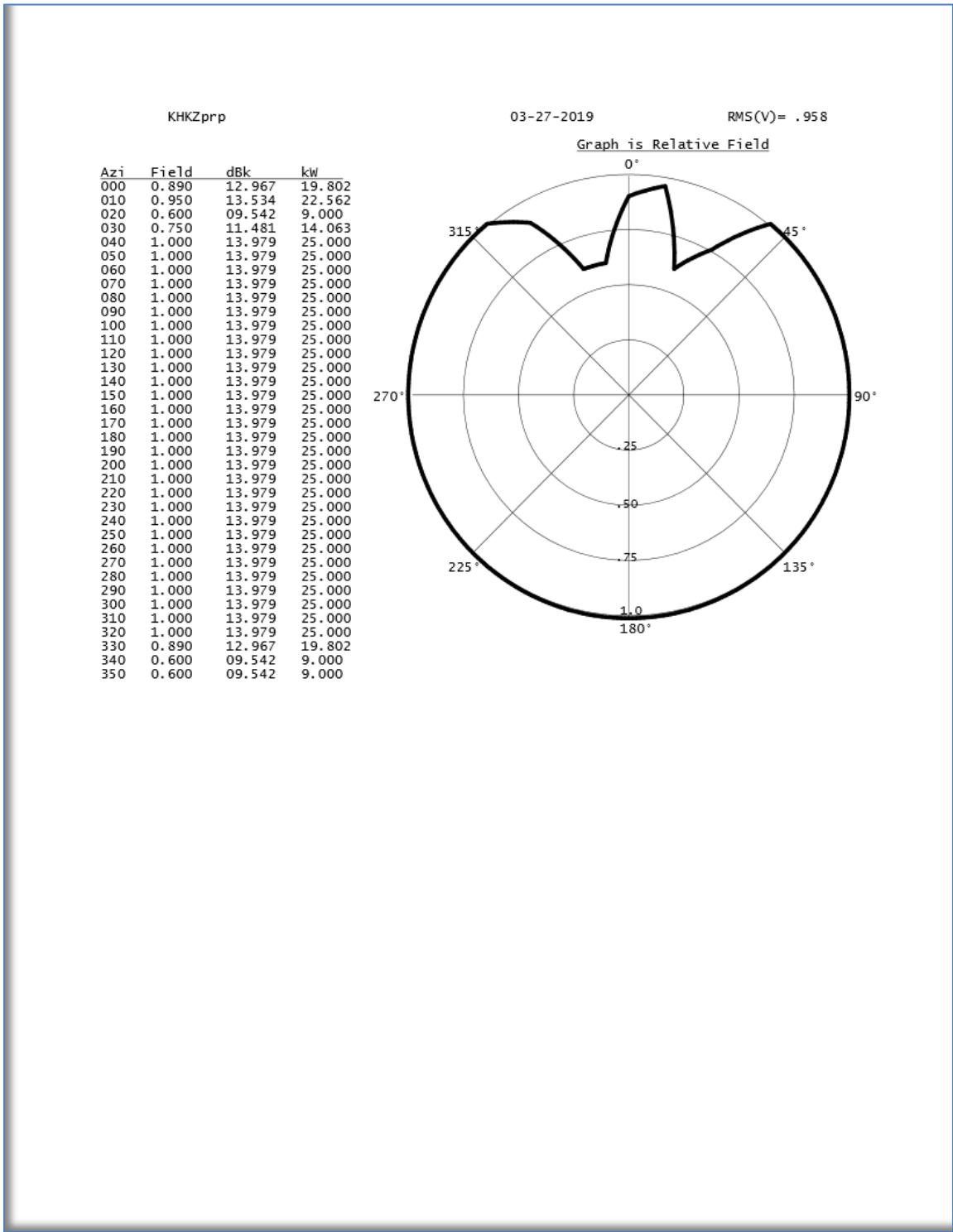
The proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The proposed antenna system is an ERI LPX-6C-DA 6 bay array with 1.0 wavelength spacing between elements, which has been evaluated using the FCC webpage "FM Model" set for this type of radiating element; an EPA type 3 "Rototiller" mounted with its center of radiation 100 meters above ground level, and operated with an effective radiated power of 25 kilowatts in both the horizontal and vertical. At 2 meters above ground, at 110 meters from the base of the tower, this proposal will contribute worst case, 11.9 microwatts per square centimeter, or 1.2 percent of the allowable ANSI limit for controlled exposure, and 6.0 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.

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 modification.

## **Figures and Attachments**

Figure 0 - Directional Antenna Pattern



### Figure 1 - Antenna Location Spacing Study

KHKZ at Replacement Tower 73-207 Spacing March 2019  
Clear Chan. B/casting Licenses, Inc., as Debtor In Poss

REFERENCE	CLASS = C3 Int = B1	DISPLAY DATES
26 08 35.0 N.		DATA 03-26-19
97 49 55.4 W.	Current Spacings to 3rd Adj.	SEARCH 03-27-19
----- Channel 292 - 106.3 MHz -----		

Call	Channel	Location	Azi	Dist	FCC	Margin
KHKZ_	LIC-Z 292C3	San Benito	TX 243.7	0.11	152.5	-152.4
KPSO-FM	LIC 292A	Falfurrias	TX 344.5	125.79	141.5	-15.7
KBIC	LIC 289A	Raymondville	TX 21.1	35.73	41.5	-5.8
10/17/2008: Proposed as Class B1 to Mexico 960621-Restricted allotment limited to 2.96kw ERP and 131m HAAT or the equivalent along the 163.5 degree azimuth towards channel 290AA in Matamoros, TX-Accepted by Mexico 961111						
AL0240	VAC 294A	Reynosa	TA 263.6	44.84	48.0	-3.2
XHNAFM	USE 290AA	Matamoros	TA 135.3	46.45	48.0	-1.6
Proposed by Mexico 960329-Accepted by Commission 960623						
XHNAFM	OPE 290AA	Matamoros	TA 135.3	46.45	48.0	-1.6
Proposed by Mexico 960329-Accepted by Commission 960623						
R10710	VAC 293C1	China	NL 246.1	161.17	161.0	0.17
7/5/2005: Proposed by letter dated 6/9/05 as a restricted allotment limited to 12.95kW ERP and 300m HAAT or the equivalent along the 65.5 degree azimuth in the direction of channel 292B, Mercedes, TX. 7/5/2005: Accepted 7/5/05 as restricted.						
1686196	APP 292A	Zapata	TX 299.0	159.83	141.5	18.3
AU9810282	VAC 292A	Zapata	TX 299.0	159.83	141.5	18.3
Site Restriction: 9.0 km South.						
AL4822	VAC 293A	Los Comales	TA 271.5	109.37	88.0	21.4
1792766	APP-N 292A	Zapata	TX 300.1	163.39	141.5	21.9
AL2981	VAC 290A	Los Villarrealles	TA 277.1	81.34	48.0	33.3
R17224	VAC 290A	Cd. Camargo	TA 281.1	101.68	48.0	53.7
XHMNRFM	OPE 291C	Monterrey	NL 258.5	253.06	193.0	60.1
AL3413	VAC 291C	Monterrey	NL 257.5	255.27	193.0	62.3
KYRK	LIC-D 293C2	Taft	TX 17.4	200.50	116.5	84.0
AU7057826	VAC 293A	Bruni	TX 326.2	180.00	88.5	91.5

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Reference station has protected zone issue: Mexico  
% = Station Fails minimum 73.215 spacings  
All separation margins include rounding

Figure 2 - Antenna Location Contour Study

KHKZ at Replacement Tower March 2019											
Clear Chan. B/casting Licenses, Inc., as Debtor In Poss											
CH# 292C3 - 106.3 MHz, Pwr= 25 kW DA, HAAT= 102.3 M, COR= 117 M											
Average Protected F(50-50)= 39.46 km											
73.215 Directional											
DISPLAY DATES											
DATA 03-26-19											
SEARCH 03-26-19											
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)	
292C3	KHKZ	LIC	ZCX	243.7	0.11	26 08 33.3	6.300	101.8	39.4	141.5R	-141.4M
	San Benito	TX		63.7	BLH20120702AAS	97 49 59.2	199	215	Clear	Chan. B/casting Lice	
294A	AL0240	VAC	___	263.6	44.84	26 05 50.0	3.000	2.4	24.0	3.7	16.8
	Reynosa	TA		83.4		98 16 42.0	100	136			
290AA	XHNAFM	USE	___	135.3	46.45	25 50 45.0	6.000	2.7	28.0	3.8	14.3
	Matamoros	TA		315.4		97 30 19.0	100	106			
290AA	XHNAFM	OPE	_HN	135.3	46.45	25 50 45.0	6.000	2.7	28.0	3.8	14.3
	Matamoros	TA		315.4		97 30 19.0	100	106			
293C1	R10710	VAC	___	246.1	161.17	25 32 54.0	100.000	117.3	72.0	161.0R	0.17M
	China	NL		65.5		99 18 04.0	299	479			
289A	KBIC	LIC	_CX	21.1	35.83	26 26 37.0	6.000	2.7	28.0	0.2	4.1
	Raymondville	TX		201.2	BMLED20040317AAX	97 42 08.0	100	107	Christian Ministries Of Th		
292A	KPSO-FM	LIC	_C	344.5	126.18	27 14 11.0	6.000	89.0	29.9	1.3	2.5
	Falfurrias	TX		164.4	BLH20040913AAD	98 10 22.0	100	146	Brooks Broadcasting Corpor		
292A	1686196	APP	___	299.0	159.83	26 49 57.0	6.000	86.2	27.9	141.5R	18.3M
	Zapata	TX		118.4	BSFH20150519ABX	99 14 25.0	100	205	Hispanic Target Media Inc.		
292A	AU9810282	VAC	___	299.0	159.83	26 49 57.0	6.000	86.2	27.9	141.5R	18.3M
	Zapata	TX		118.4	RM11148	99 14 25.0	100	205	Jeraldine Anderson		
293A	AL4822	VAC	___	271.5	109.37	26 09 54.0	3.000	42.9	24.0	88.0R	21.4M
	Los Comales	TA		91.0		98 55 40.0	100	184			
292A	1792766	APP	NCX	300.1	163.39	26 52 24.0	6.000	77.7	21.5	141.5R	21.9M
	Zapata	TX		119.5	BNPH20151013ADT	99 15 22.0	68	176	Hispanic Target Media Inc.		
290A	AL2981	VAC	___	277.1	81.34	26 13 54.0	3.000	2.9	24.0	48.0R	33.3M
	Los Villarreales	TA		96.8		98 38 29.0	100	150			
290A	R17224	VAC	___	281.1	101.68	26 18 56.0	3.000	2.9	24.0	48.0R	53.7M
	Cd. Camargo	TA		100.7		98 50 00.0	100	159			
291C	XHMRFM	OPE	_HN	258.5	253.06	25 40 11.0	100.000	105.8	92.0	193.0R	60.1M
	Monterrey	NL		77.5		100 18 26.0	-40	666			
291C	AL3413	VAC	___	257.5	255.27	25 37 33.0	100.000	158.2	92.0	193.0R	62.3M
	Monterrey	NL		76.4		100 19 07.0	600	1509			
293C2	KYRK	LIC	DC	17.4	200.50	27 52 02.0	50.000	77.8	52.1	116.5R	84.0M
	Taft	TX		197.7	BLH20110714ACK	97 13 07.0	148	149	Withers Family Texas Holdi		
293A	AU7057826	VAC	___	326.2	180.00	27 29 12.0	6.000	47.5	31.1	88.5R	91.5M
	Brunt	TX		145.7	RM10245	98 51 00.0	100	339	Jeraldine Anderson		

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM  
In & out distances between contours are shown at closest points. Reference zone= - Zone 2, Co to 3rd adjacent.  
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)  
"a" affixed to 'IN' or 'OUT' values = site inside restricted contour.  
« = Station meets FCC minimum distance spacing for its class.  
^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements  
Reference station has protected zone issue: Mexico

\* = Station fails 73.215. 73.215 Minimum separation distances are used

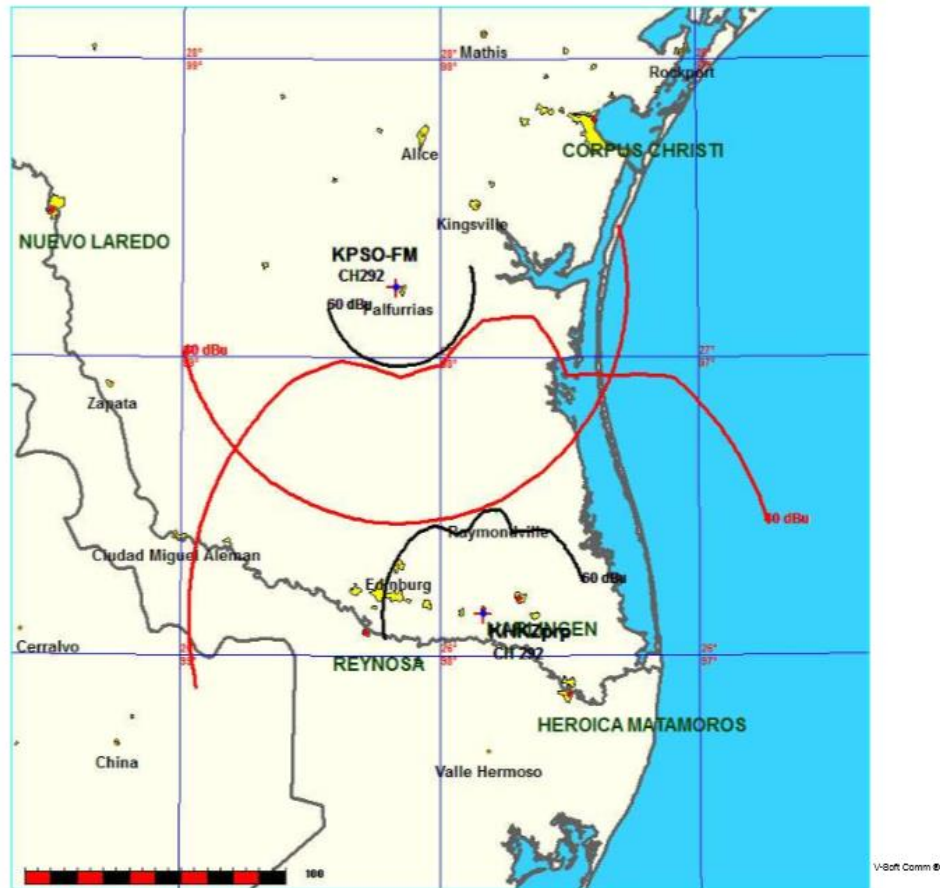
**Figure 3 – KHKZ and KPOS-FM Contour Map**

KHKZ and KPOS-FM Contour Map  
Clear Chan. B/casting Licenses, Inc., as Debtor In Poss

FMCommander Single Allocation Study - 03-27-2019 - NGDC 30 SEC  
KHKZprp's Overlaps (In= 1.27 km, Out= 2.48 km)

KHKZprp CH 292 C3 73.215 Z  
Lat= 26 08 35.0, Lng= 97 49 55.4  
25.0 kW 102.3 m HAAT, 117 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

KPSO-FM<sup>A</sup> CH 292 A BLH20040913AAD  
Lat= 27 14 11.0, Lng= 98 10 22.0  
Max CIs: 6.0 kW 100 m HAAT, 146 m COR  
Prot.= 60 dBu, Intef.= 40 dBu





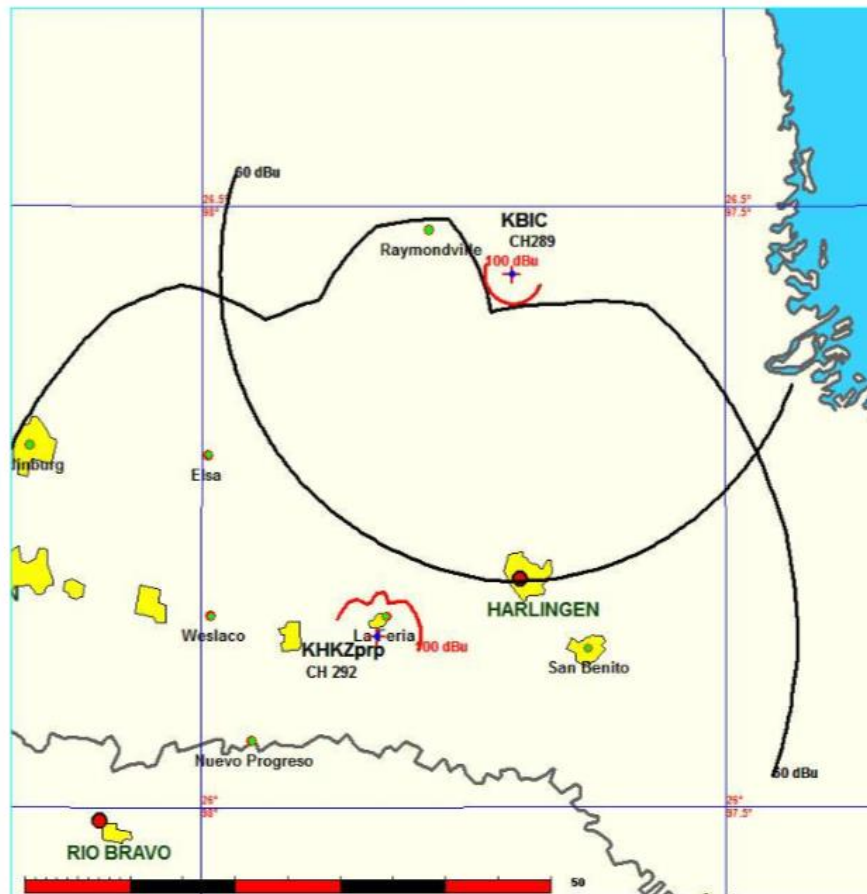
**Figure 4 - KHKZ and KBIC Contour Map**

KHKZ and KBIC Contour Map  
Clear Chan. B/casting Licenses, Inc., as Debtor In Poss

FMCommander Single Allocation Study - 03-27-2019 - NGDC 30 SEC  
KHKZprp's Overlaps (In= 0.22 km, Out= 4.1 km)

KHKZprp CH 292 C3 73.215 Z  
Lat= 26 08 35.0, Lng= 97 49 55.4  
25.0 kW 102.3 m HAAT, 117 m COR  
Prot.= 60 dBu, Intef.= 100 dBu

KBIC^ CH 289 A BMLED20040317AAX  
Lat= 26 26 37.0, Lng= 97 42 08.0  
Max CIs: 6.0 kW 100 m HAAT, 107 m COR  
Prot.= 60 dBu, Intef.= 100 dBu



**Figure 5 - 294A Reynosa, TA Radial Interpolation**

**CONTOUR PROTECTION WITH MEXICO 294A  
KHKZ CHANNEL 292C3  
SAN BENITO, TEXAS**

PROPOSED FACILITY

COMMUNITY: SAN BENITO, TEXAS  
CHANNEL: 292  
CALL: KQXX-FM  
CLASS: C3  
INTERNATIONAL: B1  
COORDINATES: 26-08-35.0 N 97-49-55.4 W (NAD 27)  
RADIATING CENTER: 117 METERS  
AZIMUTH TO PROTECTED FACILITY: 263.6° DEGREES  
STANDARD RADIALS: 263.0° HAAT: 97.4 M  
                    : 264.0° HAAT: 97.3 M  
INTERPOLATED: 263.5° HAAT: 97.4 M  
**POWER: 25.0 KW AT 97.4 M ON 263.5 DEGREE RADIAL**  
INTERFERING CONTOUR: 100 DBU (50,10)  
DISTANCE TO INTERFERING CONTOUR: 4.0 KM

USED ALLOCATION AT REYNOSA, TABASCO, MEXICO

COMMUNITY: **REYNOSA, TABASCO**  
CHANNEL: 294  
CALL: NEW  
CLASS: A  
COORDINATES: 26-05-50.0N 098-16-42.0W (NAD 27)  
RESTRICTED FACILITY: NO  
RELATIONSHIP: SECOND ADJACENT  
PROTECTED CONTOUR: 60 DBU (50,50)  
DISTANCE TO PROTECTED CONTOUR: 24.0 KM

SUMMARY

DISTANCE TO PROTECTED CONTOUR (NEW): 24.0 KM  
DISTANCE TO RESTRICTED CONTOUR (KHKZ): 4.0 KM  
TOTAL DISTANCE RESTRICTED PLUS PROTECTED: 28.0 KM  
ACTUAL SPACING: 44.8 KM  
**CLEARANCE 16.8 KM**  
**NO OVERLAP OF PROTECTED AND INTERFERING CONTOUR**

**Figure 6 - 294A Reynosa, TA Contour Map**

294A Reynosa, TA Contour Map  
Clear Chan. B/casting Licenses, Inc., as Debtor In Poss

FMCommander Single Allocation Study - 03-28-2019 - NGDC 30 SEC  
KHKZprp's Overlaps (In= 3.67 km, Out= 16.82 km)

KHKZprp CH 292 C3 73.215 Z  
Lat= 26 08 35.0, Lng= 97 49 55.4  
25.0 kW 102.3 m HAAT, 117 m COR  
Prot.= 57 dBu, Intef.= 100 dBu

AL0240^ CH 294 A  
Lat= 26 05 50.0, Lng= 98 16 42.0  
Max CIs: 3.0 kW 100 m HAAT, 136.1 m COR  
Prot.= 60 dBu, Intef.= 97 dBu

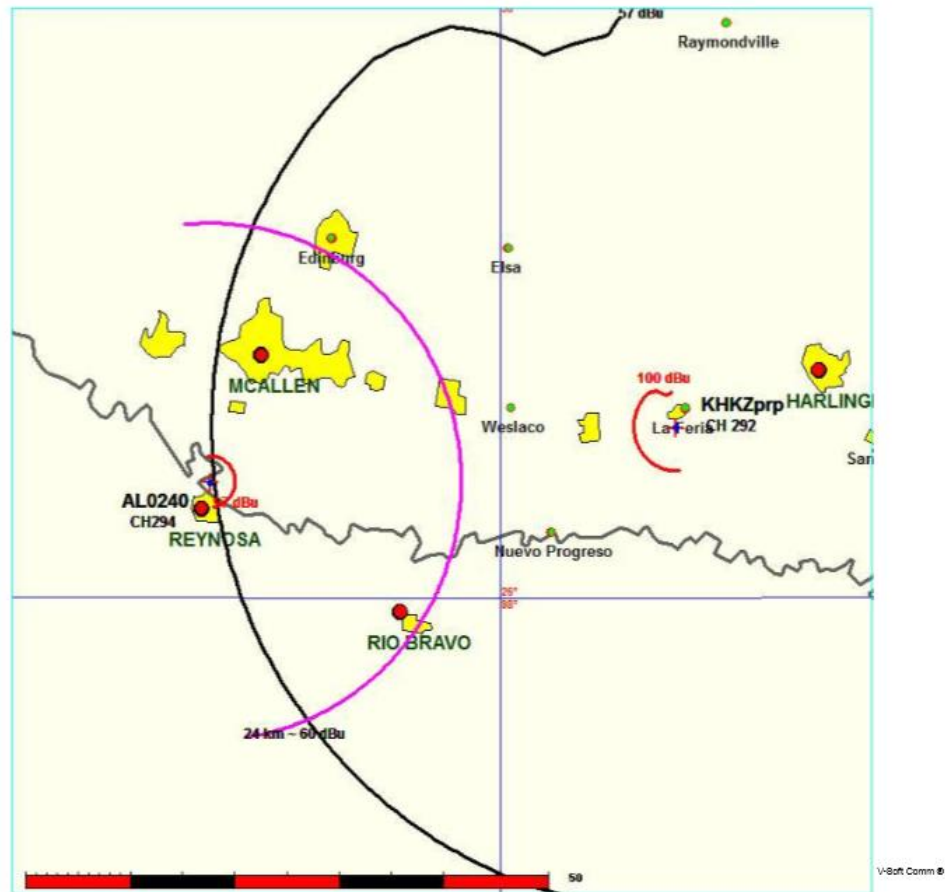


Figure 7 - 290A Matamoros, TA Radial Interpolation

CONTOUR PROTECTION WITH MEXICO 290AA  
KHKZ CHANNEL 292C3  
SAN BENITO, TEXAS

PROPOSED FACILITY

COMMUNITY: SAN BENITO, TEXAS  
CHANNEL: 292  
CALL: KQXX-FM  
CLASS: C3  
INTERNATIONAL: B1  
COORDINATES: 26-08-35.0 N 97-49-55.4 W (NAD 27)  
RADIATING CENTER: 117 METERS  
AZIMUTH TO PROTECTED FACILITY: 135.3° DEGREES  
STANDARD RADIALS: 135.0° HAAT: 102.0 M  
                  : 136.0° HAAT: 101.9 M  
INTERPOLATED: 135.5° HAAT: 102.0 M  
**POWER: 25.0 KW AT 102.0 M ON 135.3 DEGREE RADIAL**  
INTERFERING CONTOUR: 100 DBU (50,10)  
DISTANCE TO INTERFERING CONTOUR: 4.0 KM

USED ALLOCATION AT MATAMOROS, TABASCO, MEXICO

COMMUNITY: MATAMOROS, TABASCO  
CHANNEL: 290  
CALL: XHNA  
CLASS: AA  
COORDINATES: 25-50-45.0N 097-30-19.0W (NAD 27)  
RESTRICTED FACILITY: NO  
RELATIONSHIP: SECOND ADJACENT  
PROTECTED CONTOUR: 60 DBU (50,50)  
DISTANCE TO PROTECTED CONTOUR: 24.0 KM

## SUMMARY

DISTANCE TO PROTECTED CONTOUR (XHNA): 28.0 KM  
DISTANCE TO RESTRICTED CONTOUR (KHKZ): 4.0 KM  
TOTAL DISTANCE RESTRICTED PLUS PROTECTED: 32.0 KM  
ACTUAL SPACING: 46.5 KM  
CLEARANCE 14.5 KM  
NO OVERLAP OF PROTECTED AND INTERFERING CONTOUR

**Figure 8 - 290A Matamoros, TA Contour Map**

Matamoros, TA Contour Map  
Clear Chan. B/casting Licenses, Inc., as Debtor In Poss

FMCommander Single Allocation Study - 03-28-2019 - NGDC 30 SEC  
KHKZprp's Overlaps (In= 3.84 km, Out= 14.3 km)

KHKZprp CH 292 C3 73.215 Z  
Lat= 26 08 35.0, Lng= 97 49 55.4  
25.0 kW 102.3 m HAAT, 117 m COR  
Prot.= 57 dBu, Intef.= 100 dBu

XHNAFM<sup>A</sup> CH 290 AA  
Lat= 25 50 45.0, Lng= 97 30 19.0  
Max CIs: 6.0 kW 100 m HAAT, 106 m COR  
Prot.= 60 dBu, Intef.= 97 dBu

