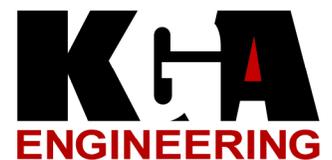


KJJF-FM CHANNEL 205 (88.9 MHz)  
MINOR CHANGE IN BROADCAST  
STATION LICENSE APPLICATION  
HARLINGEN, TX  
*(RGV Educational Broadcasting, Inc.)*

**Kessler and Gehman Associates, Inc.**

Consultants • Broadcast • Wireless

[www.kesslerandgehman.com](http://www.kesslerandgehman.com)



**ENGINEERING TECHNICAL STATEMENT PREPARED BY WILLIAM T. GODFREY, JR., WITH THE FIRM KESSLER AND GEHMAN ASSOCIATES, TELECOMMUNICATIONS CONSULTING ENGINEERS, IN CONNECTION WITH A MINOR CHANGE IN LICENSE APPLICATION FOR THE RGV EDUCATIONAL BROADCASTING, INC. (RGV) LICENSED KJFF-FM CHANNEL 205 (88.9 MHZ), HARLINGEN, TEXAS NON-COMMERCIAL EDUCATIONAL FM (NCE-FM) BROADCAST FACILITY (BLED-19910509KB).**

The firm Kessler and Gehman Associates, Inc. has been retained by RGV Educational Broadcasting, Inc. (RGV), Harlingen, TX; to prepare engineering studies and the engineering portion of a minor change in license application in order to correct the transmitter site coordinates for the licensed KJFF-FM Channel 205 (88.9 MHz) Non-Commercial Educational FM (NCE-FM) broadcast facility (BLED-19910509KB).

**DISCUSSION**

RGV is licensed to operate the KJFF-FM Channel 205 Class A facility with an ERP of 3.0 kW using a circularly polarized, non-directional, FM antenna with an antenna height radiation center of 90.0 meters above ground level (AGL). This minor change application requests to correct the NAD27 transmitter site coordinates from Latitude: N 26° 10' 46.0" and Longitude: W 097° 30' 06.0" to Latitude: N 26° 10' 46.9" and Longitude: W 097° 30' 06.6" which equates to a 0.9" latitude correction and a 0.6" longitude correction. Since the proposed coordinates correction does not exceed 3 seconds, an FCC Form 302-FM minor change in license application can be filed pursuant to §73.1690(c)(11) of the FCC Rules.

**ATTACHED FIGURES**

The following list is an index of enclosed exhibits produced by calculations and engineering studies of the proposed KJFF-FM Channel 205 Class A facility.

- Proposed Engineering Specifications - (Exhibit 1)
- Support Structure Profile/Elevation View of Antenna System - (Exhibit 2)
- USGS 7.5-Minute Topographic Map Depicting The Transmitter Location - (Exhibit 3)

- Community of License Contour - (Exhibit 4)
- Licensed KJJF-FM site and Corrected KJJF-FM site - (Exhibit 5)
- KJJF-FM (Licensed) FM Interference Study - (Exhibit 6)
- KJJF-FM (Corrected) FM Interference Study - (Exhibit 7)
- TV Channel 6 Spacing Study - (Exhibit 8)
- Antenna Elevation Pattern - (Exhibit 9)
- Antenna Elevation Pattern Tabulation - (Exhibit 10)

## **TRANSMITTER SITE**

The existing antenna is mounted on a guyed tower at a radiation center height of 90.0 meters AGL (Exhibit 2). The KJJF tower is registered with the FCC and has a registration number of 1284903. The antenna structure is located approximately 0.58 miles east of the FM 803 and FM 1561 (Fresnal Rd) Intersection in Lozano, TX.

## **PRINCIPAL COMMUNITY**

The KJJF-FM Licensed F(50,50) 60.0 dBuV/m (1.00 mV/m) protected service contour (red) and the KJJF-FM Corrected F(50,50) 60.0 dBuV/m (1.00 mV/m) protected service contour (green) are depicted in Exhibit 4. It can be seen that the corrected facility's F(50,50) 60.0 dBuV/m contour completely encompasses Harlingen, TX in all azimuthal directions. Harlingen, TX is the community of license for the KJJF-FM facility. The corrected site is located 106 ft from the licensed site as shown in Exhibit 5.

## **INTERFERENCE STUDIES**

Exhibit 6 is an FM interference study for the KJJF-FM Licensed facility and Exhibit 7 is an FM interference study for the KJJF-FM Corrected facility. It can be seen that the corrected KJJF-FM facility meets all requirements pursuant to §73.509 of the FCC Rules and that the differences between the licensed facility and the corrected facility with respect to interference is zero (0.0).

A noncommercial educational application which meets the spacing requirements of Section 73.207 with respect to Mexican stations and allotments, and which proposes neither an ERP in excess of 3.0 kW nor facilities in excess of 3.0 kW ERP at 100 meters HAAT, may be granted without obtaining Mexican concurrence prior to grant. The KJJF-FM facility operates with an ERP of 3 kW and a HAAT less than 100 meters (89.4 meters).

### **TV CHANNEL 6 STUDIES**

Exhibit 8 demonstrates that the corrected KJJF-FM facility complies with Section 73.525 of the FCC Rules with respect to TV Channel 6 protection. The closest TV Channel 6 facility to the KJJF-FM facility is XET in Monterrey. The required spacing is 224.5 km and the actual spacing is 280.0 km which is a 55.5 km margin.

### **INTERMEDIATE FREQUENCY (IF)**

The corrected KJJF-FM facility will meet all separation requirements pertaining to intermediate frequency (“IF”) interference. The IF station (205+53=258 & 205+54=259) with the narrowest gap with respect to distance from the corrected KJJF-FM transmitter site is the Channel 258, Class C KKPS-FM Brownsville, TX station located approximately 32.15 km from the KJJF-FM transmitter site. A separation of 28.5 km is required; therefore, the distance is easily met with a margin of 3.7 km.

### **ENVIRONMENTAL IMPACT**

The proposed KJJF-FM Channel 205 Class A facility will have no significant environmental impact as defined in §1.1307 of the FCC Rules. The FM transmitter, transmission line and antenna system will produce an ERP of 3.0 kW (circular polarization). It was determined that the maximum lobe of radiation from the base of the tower will occur at approximately 167.0 feet from the base of the tower (334.1-foot radial distance from the antenna center). At approximately 167.0 feet from the base of the tower, the depression angle of the main lobe will be approximately 60° below the horizontal. At that point, the relative field will be 0.511 and the power density six feet above the ground will be 0.00505 mW/cm<sup>2</sup>. This equates to only 0.50% of the Maximum Permissible Exposure (MPE) limits

for Occupational/Controlled Exposure and only 2.52% of the MPE limits for General Population/Uncontrolled Exposure authorized by the American National Standards Institute (ANSI). Since operation of the proposed KJFF-FM facility will not exceed 5.0% of the MPE limit for Occupational/Controlled Exposure or General Population/Uncontrolled Exposure at any point on the ground, the proposed facility is not considered a “significant contributor” to the RF exposure environment pursuant to OET Bulletin 65, Edition 97-01. Therefore, contributions of exposure from other sources were not accounted for in this analysis. It is safe to conclude that the emissions would be insignificant and well within the maximum allowable requirements.

If other antennas are placed on the tower in the future, the licensee will cooperate with those users by reducing or completely terminating the power to the antenna when maintenance workers are in danger from the electromagnetic radiation emanating from the antenna. It is also understood that additional antennas on the support structure could increase the overall RF exposure levels and it is the responsibility of each licensee to ensure that the total RF exposure resulting from the operation of all antennas on the support structure do not exceed the MPE level at any point on the ground.

**CERTIFICATION**

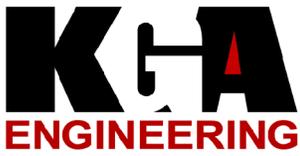
This technical statement was prepared by William T. Godfrey, Jr., Engineering Associate with the firm Kessler and Gehman Associates, Inc. having offices in Gainesville, Florida, and has been working with the firm in the field of radio and television broadcast consulting since 1998. Mr. Godfrey was a graduate from the University of North Florida and a Distinguished Military Graduate from the University of Florida. As a Professional in the field of Telecommunications he states under penalty of perjury that the information contained in this report is true and correct to the best of his knowledge and belief.

A handwritten signature in blue ink that reads 'William T. Godfrey, Jr.' with a stylized flourish at the end.

---

WILLIAM T. GODFREY, JR., CBT  
Engineering Associate

13 May, 2015



# KJFF-FM Channel 205

*Harlingen, Texas*

## ENGINEERING SPECIFICATIONS

**A. Transmitter Site:**

Geographic coordinates (NAD27):	North Latitude	26° 10' 46.9"
	West Longitude	97° 30' 06.6"

Transmitter Site Location:      **0.58 miles east of FM 803 & FM 1561 (Fresnal Rd) Intersection**  
**Lozano, TX 78586**

FCC Antenna Structure Registration Number:    **1284903**

**B. Licensee:**

Mailing Address                      **1701 Tennessee Avenue**  
**Harlingen, TX 78550**

**C. Proposed Facility:**

NCE-FM Channel	Number:	205
	Frequency:	88.9 MHz
	Class:	A

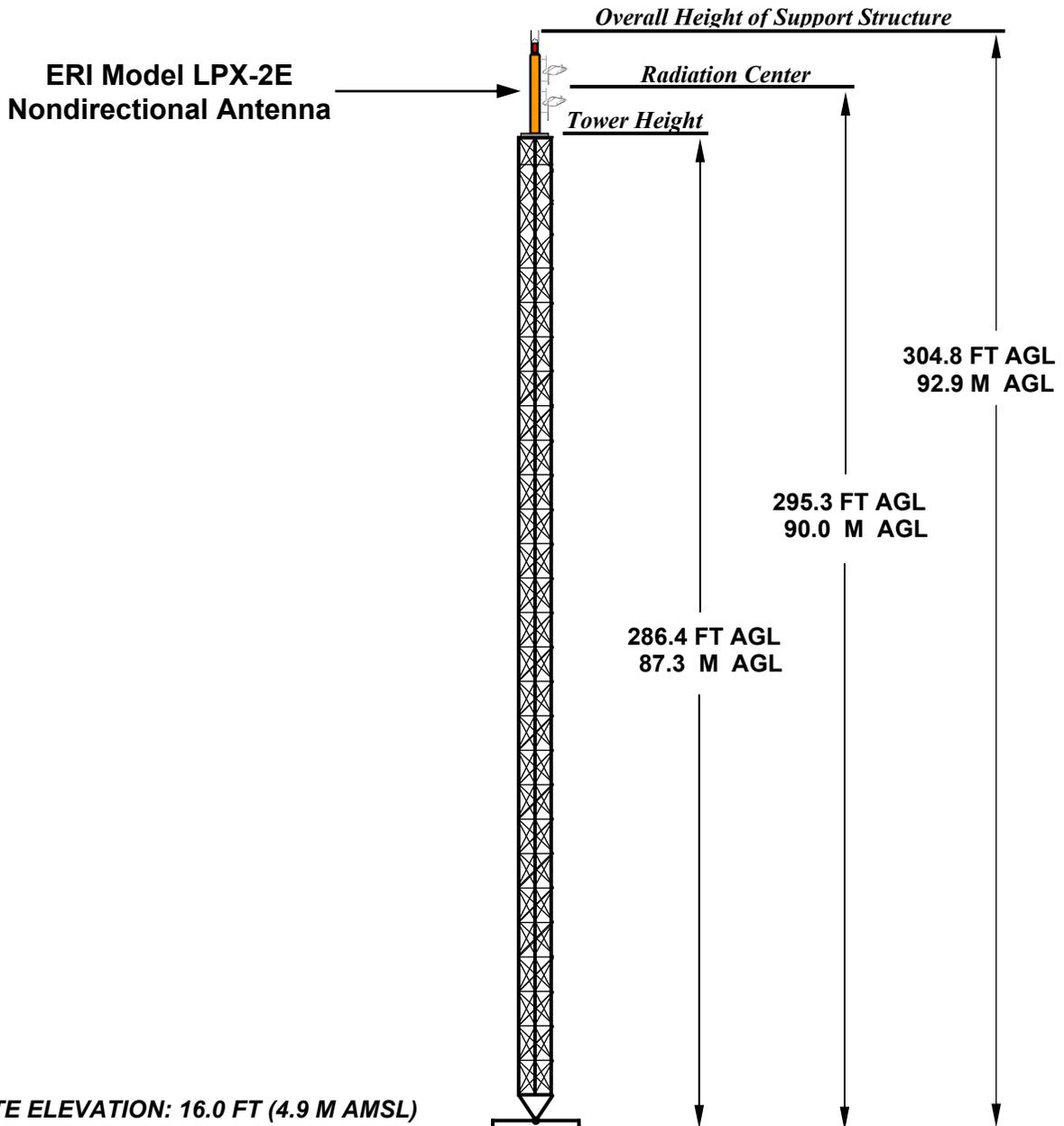
**D. Antenna Height:**

Height of Site Above Mean Sea Level (AMSL):	4.9 M
Overall Height of Structure Above Ground:	92.9 M
(including all appurtenances)	
Overall Height of Structure Above Mean Sea Level	97.8 M
(including all appurtenances)	
Height of Site Above Average Terrain:	-0.6 M
Antenna Height Radiation Center (R/C) Above Ground:	90.0 M
Antenna Height R/C Above Mean Sea Level:	94.9 M
Antenna Height R/C Above Average Terrain:	89.4 M
Average of All Non-Odd Radial	5.5 M

**E. System Parameters – Circular Polarization:**

Maximum Effective Radiated Power:	4.77 dBk
In Beam Maximum:	3.0 kW
Maximum Effective Radiated Power:	4.77 dBk
In Horizontal Plane:	3.0 kW

# ANTENNA STRUCTURE ELEVATION VIEW



<b>OVERALL HEIGHT AGL:</b> .....	<b>92.9 M</b>
<b>OVERALL HEIGHT AMSL:</b> .....	<b>97.8 M</b>
<b>RADIATION CENTER AGL:</b> .....	<b>90.0 M</b>
<b>RADIATION CENTER AMSL:</b> .....	<b>94.9 M</b>
<b>RADIATION CENTER HAAT:</b> .....	<b>89.4 M</b>
<b>AVERAGE OF NON-ODD RADIALS:</b> .....	<b>5.5 M</b>
<b>SITE ELEVATION HAAT:</b> .....	<b>-0.6 M</b>

**COORDINATES: (NAD 27)**

**N. LATITUDE    26° 10' 46.9"**  
**W. LONGITUDE   97° 30' 06.6"**

**Antenna Structure Registration Number:**  
 1284903

**NOTE: NOT TO SCALE**

**Kessler and Gehman Associates, Inc.**

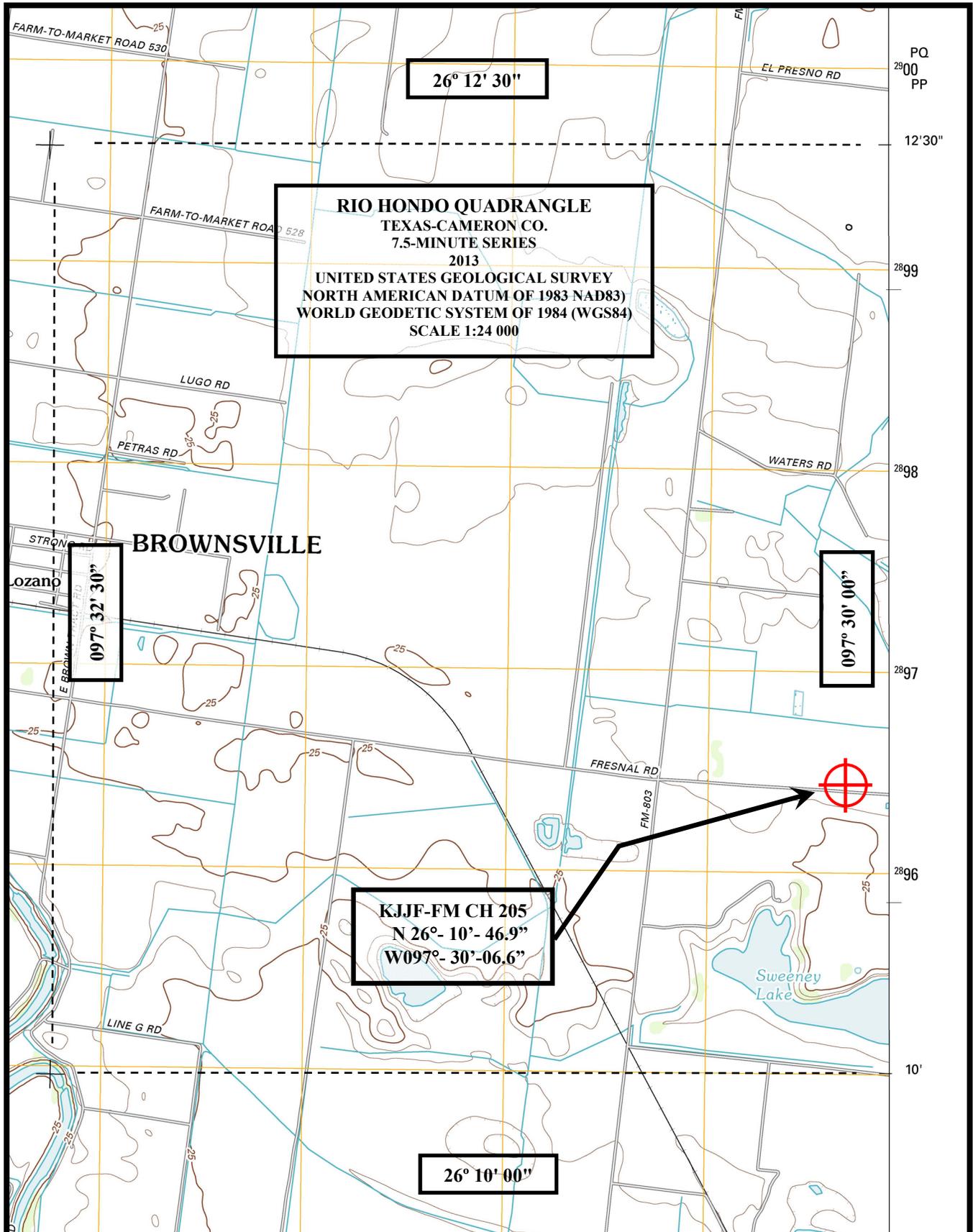


Consultants • Broadcast • Wireless  
 507 NW 60th Street, Suite C  
 Gainesville, FL 32607  
[www.kesslerandgehman.com](http://www.kesslerandgehman.com)

**KJFF-FM CHANNEL 205**  
*Harlingen, Texas*

20150512

EXHIBIT 2



**Kessler and Gehman Associates, Inc.**



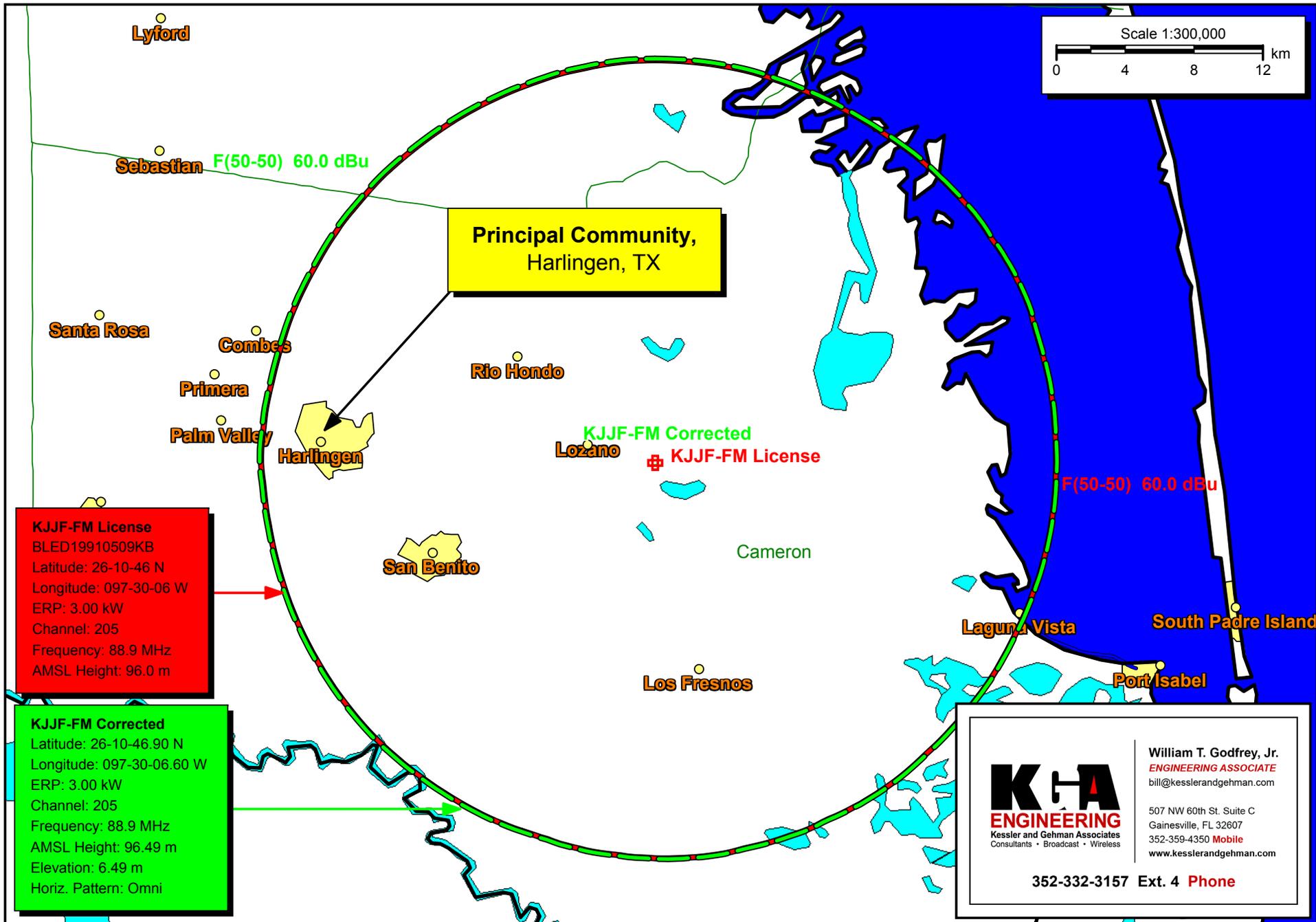
Consultants • Broadcast • Wireless  
 507 NW 60th Street, Suite C  
 Gainesville, FL 32607  
[www.kesslerandgehman.com](http://www.kesslerandgehman.com)

**KJFF-FM CHANNEL 205**

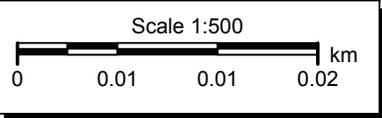
*Harlingen, Texas*

20150512

EXHIBIT 3



Community of License Showing



KJJF-FM Corrected



106 ft Correction



KJJF-FM License

**KJJF-FM License**  
 BLED19910509KB  
 Latitude: 26-10-46 N  
 Longitude: 097-30-06 W  
 ERP: 3.00 kW  
 Channel: 205  
 Frequency: 88.9 MHz  
 AMSL Height: 96.0 m

**KJJF-FM Corrected**  
 Latitude: 26-10-46.90 N  
 Longitude: 097-30-06.60 W  
 ERP: 3.00 kW  
 Channel: 205  
 Frequency: 88.9 MHz  
 AMSL Height: 96.49 m  
 Elevation: 6.49 m  
 Horiz. Pattern: Omni

**William T. Godfrey, Jr.**  
*ENGINEERING ASSOCIATE*  
 bill@kesslerandgehman.com

507 NW 60th St. Suite C  
 Gainesville, FL 32607  
 352-359-4350 **Mobile**  
 www.kesslerandgehman.com

**352-332-3157 Ext. 4 Phone**

**KJJF-FM Licensed Site vs. KJJF-FM Corrected Site**

Kessler and Gehman Associates, Inc.  
Telecommunications Consulting Engineers

FM Interference Study (KJFF-FM LIC)  
Rgv Educational Broadcasting, Inc.  
CH# 205A - 88.9 MHz, Pwr= 3 kw, HAAT= 91.0 M, COR= 96 M  
Average Protected F(50-50)= 23.14 km  
Omni-directional

DISPLAY DATES  
DATA 05-12-15  
SEARCH 05-12-15

REFERENCE  
26 10 46.0 N.  
97 30 06.0 W.

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*
205A Harlingen	KJFF	LIC_CN TX	0.0 0.0	0.00 BLED19910509KB	26 10 46.0 97 30 06.0	3.000 91	74.5 96	23.4 Rgv Educational Broadcasti	-97.9*	-97.9*
208C Valle Hermoso	R10546	PRO TA	209.0 28.9	65.13	25 39 60.0 97 48 60.0	100.000 600	13.7 613	92.0	28.6	-29.0*<
3/29/2005: Proposed by Mexico by letter dated 12/24/04 as a restricted allotment limited to 3 kw ERP and 100 m HAAT or the equivalent in the azimuth arc of 270 - 130 degrees to provide protection to channel 205A, Harlingen, TX and 208C, Robstown, TX.										
208C Valle Hermoso	XHNVA-FM	OPE ?CN TA	209.0 28.9	65.13	25 39 60.0 97 48 60.0	100.000 88	5.4 101	92.0	36.9	-29.0*<
approved 7/31/01 as restricted allotment limited to 3kw ERP and 100m HAAT or the equivalent along the range of azimuths from 270 degrees to 130 degrees to protect channel 205A in Harlingen, TX and channel 208C in Robstown, TX										
208C1 Valle Hermoso	R11431	ADD TA	213.4 33.3	57.08	25 45 02.0 97 48 56.0	100.000 299	10.1 313	72.0	24.1	-17.1*<
8/2/2006: Proposed 3/30/06 as a restricted allotment limited to 50 kw ERP and 150m HAAT or the equivalent along the 33.28 degree azimuth in the direction of channel 205A, Harlingen, TX and limited to 49 kw ERP and 100m HAAT or the equivalent along the 5.42 degree azimuth in the direction of channel 208C, Robstown, TX 9/14/2007: Objected to by IB in 6/2/2005 letter. Recon. filed 30 March 2006										
204A Raymondville	KVHI	LIC_CX TX	319.9 139.7	49.00 BLED20120925AUH	26 30 58.0 97 49 09.0	2.000 40	20.5 49	13.8 Vision Hispana Incorporate	5.5	0.8
202A Brownsville	KBNR	LIC_CN TX	185.4 5.4	29.03 BLED19990308KA	25 55 10.0 97 31 44.0	5.500 88	2.5 94	25.8 World Radio Network, Inc.	3.7	1.1
Proposed as Class B to Mexico 960621-Restricted allotment capable of operating at maximum parameters-Objected to by Mexico 961111-Accepted by Mexico 970211 as Class AA										
204A Valle Hermoso	AL0649<	AL TA	207.8 27.6	70.31	25 37 10.0 97 49 42.0	3.000 100	36.1 113	24.0	67.5R	2.8M
SPECIALLY NEGOTIATED SHORT-SPACED ALLOTMENT										
258C Brownsville	KKPS<	CP_CX TX	264.0 83.9	32.17 BPH20131211AAE	26 08 56.0 97 49 18.0	100.000 453	10.0 467	7.1 Entravision Holdings, Llc	28.5R	3.7M
One Step Application										
258C Brownsville	R15085<	DEL TX	251.6 71.5	34.48	26 04 53.0 97 49 44.0	100.000 600	10.0 619	7.1 Entravision Holdings Llc	28.5R	6.0M
CP filed as part of the C0 reclassification process - downgrade LIC if CP not built										
206B Ciudad Camargo	AL2706<	AL TA	272.3 91.7	113.24	26 12 54.0 98 38 10.0	50.000 150	80.7 205	65.0	104.5R	8.7M
proposed by Mexico 971029-Restricted allotment limited to 50kw ERP and 10m HAAT or the equivalent along the 101.6 degree azimuth toward channel 203A in Edinburg, TX-Commission awaiting further clarification of HAAT 980113 IB acceptance 990125. Restricted allotment limited to 50 KW ERP and 100 m HAAT or the equivalent along the 101.6 degree azimuth towards channel 203A in Edinburg, Texas.										
258C0 Brownsville	KKPS<	LIC_CN TX	251.6 71.5	34.48 BLH19890516KB	26 04 53.0 97 49 44.0	100.000 316	10.0 334	7.1 Entravision Holdings, Llc	24.5R	10.0M
Notified to Mexico 971114										
203A Port Mansfield	AL4416	 TX	7.3 187.3	46.14	26 35 28.0 97 26 34.0	6.000 100	2.8 102	28.4	20.0	15.5
4/18/2014: Accepted on channel 203-A (26-35-28 N, 97-26-34 W) by IFT (Mexico) in 3/13/2014 letter. Note : not short-spaced.										
207A El Carmen	AL8523<	AL TA	148.9 329.0	47.86	25 48 38.0 97 15 17.0	3.000 100	2.3 102	24.0	30.5R	17.4M
206A Candido Aguilar	AL9079<	AL TA	215.9 35.6	88.70	25 31 55.0 98 01 11.0	3.000 100	35.4 105	24.0	67.5R	21.2M
203A Edinburg	KOIR	LIC_CX TX	265.5 85.2	68.14 BLED20141203ABG	26 07 46.0 98 10 56.0	3.000 85	2.2 114	22.6 Rio Grande Bible Institute	43.2	43.4
207A Reynosa	AL8745<	AL TA	263.4 83.1	78.05	26 05 50.0 98 16 42.0	3.000 100	2.3 137	24.0	30.5R	47.6M
06Z2 Monterrey	XET<	GR_HN NL	258.0 76.8	280.01	25 37 52.0 100 14 04.0	80.000 977	2.2 977	72.0	224.5R	55.5M
204C2 Corpus Christi	KKLM	LIC_CX TX	356.7 176.7	173.94 BLED20131115ALD	27 44 29.0 97 36 09.0	14.000 264	74.6 277	50.6 Educational Media Foundati	76.0	88.2

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
205B Nuevo Laredo	R13791«	VAC TA	___	306.3 125.4	250.63	27 30 02.0 99 32 56.0	50.000 150	139.0 292	65.0	162.5R	88.1M
6/23/2010: Proposed in COFETEL's (Mexico's) 6/21/2010 response letter. 6/28/2010: Accepted on channel 205-B by IB in 6/28/2010 letter. Note: not short-spaced.											
204C Sabinas Hidalgo	AL9232«	AL NL	___	272.5 91.3	260.96	26 15 30.0 100 07 00.0	100.000 600	123.0 623	92.0	160.5R	100.5M
Accepted by Commission 940216											
206A Ciudad Mier	AL9239«	AL TA	___	279.7 99.0	168.26	26 25 30.0 99 10 03.0	3.000 100	39.2 186	24.0	67.5R	100.8M
202A Rio Grande City	KXJT	LIC TX	DCX	282.1 101.5	134.97 BLED20140214AAY	26 25 41.0 98 49 38.0	2.650 149	1.8 224	21.9 Colonias Unidas	110.5	110.9
205B Soto La Marina	AL8517«	AL TA	___	194.9 14.6	277.37	23 46 02.0 98 12 14.0	50.000 150	137.7 150	65.0	162.5R	114.9M
208C1 Robstown	KLUX	LIC TX	DCY	356.7 176.7	173.91 BLED19891206KA	27 44 28.0 97 36 08.0	60.000 291	5.6 307	53.2 Diocesan Telecommunication	144.9	118.5
208A General Bravo	AL8683«	AL NL	___	255.8 75.1	173.04	25 47 20.0 99 10 40.0	3.000 100	2.3 100	24.0	30.5R	142.5M
205AA Linares	R16743«	ADD NL	___	235.2 54.3	254.08	24 51 32.0 99 34 07.0	6.000 100	86.7 100	28.0	110.5R	143.6M
3/24/2015: Proposed in 20 March 2015 letter.											

Terrain database is USGS 03 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= , Co to 3rd adjacent.  
All separation margins (if shown) include rounding. Call signs with strikeout need not be protected.  
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.  
< = Contour Overlap

Kessler and Gehman Associates, Inc.  
Telecommunications Consulting Engineers

FM Interference Study (KJFF-FM Corrected)

Rgv Educational Broadcasting, Inc.

REFERENCE CH# 205A - 88.9 MHz, Pwr= 3 kw, HAAT= 89.4 M, COR= 94.9 M  
26 10 46.9 N. Average Protected F(50-50)= 22.94 km  
97 30 06.6 W. Omni-directional

DISPLAY DATES  
DATA 05-12-15  
SEARCH 05-12-15

CH CITY	CALL	TYPE ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
205A	KJFF	LIC_CN TX	148.9 328.9	0.02 BLED19910509KB	26 10 46.0 97 30 06.0	3.000 91	74.0 96	23.0 Rgv Educational Broadcasti	-96.9*	-96.9*
208C	R10546	PRO TA	209.0 28.8	65.14	25 39 60.0 97 48 60.0	100.000 600	13.7 613	92.0	28.8	-29.0*<
3/29/2005: Proposed by Mexico by letter dated 12/24/04 as a restricted allotment limited to 3 kw ERP and 100 m HAAT or the equivalent in the azimuth arc of 270 - 130 degrees to provide protection to channel 205A, Harlingen, TX and 208C, Robstown, TX.										
208C	XHNVA-FM	OPE ?CN TA	209.0 28.8	65.14	25 39 60.0 97 48 60.0	100.000 88	5.4 101	92.0	37.0	-29.0*<
approved 7/31/01 as restricted allotment limited to 3kw ERP and 100m HAAT or the equivalent along the range of azimuths from 270 degrees to 130 degrees to protect channel 205A in Harlingen, TX and channel 208C in Robstown, TX										
208C1	R11431	ADD TA	213.4 33.2	57.09	25 45 02.0 97 48 56.0	100.000 299	10.1 313	72.0	24.3	-17.1*<
8/2/2006: Proposed 3/30/06 as a restricted allotment limited to 50 kw ERP and 150m HAAT or the equivalent along the 33.28 degree azimuth in the direction of channel 205A, Harlingen, TX and limited to 49 kw ERP and 100m HAAT or the equivalent along the 5.42 degree azimuth in the direction of channel 208C, Robstown, TX 9/14/2007: objected to by IB in 6/2/2005 letter. Recon. filed 30 March 2006										
204A	KVHI	LIC_CX TX	319.9 139.7	48.97 BLED20120925AUH	26 30 58.0 97 49 09.0	2.000 40	20.5 49	13.8 Vision Hispana Incorporate	5.6	1.0
202A	KBNR	LIC_CN TX	185.3 5.3	29.06 BLED19990308KA	25 55 10.0 97 31 44.0	5.500 88	2.5 94	25.8 World Radio Network, Inc.	3.8	1.1
Proposed as Class B to Mexico 960621-Restricted allotment capable of operating at maximum parameters-Objected to by Mexico 961111-Accepted by Mexico 970211 as Class AA										
204A	AL0649<	AL TA	207.7 27.6	70.32	25 37 10.0 97 49 42.0	3.000 100	36.1 113	24.0	67.5R	2.8M
SPECIALLY NEGOTIATED SHORT-SPACED ALLOTMENT										
258C	KKPS<	CP_CX TX	263.9 83.8	32.15 BPH20131211AAE	26 08 56.0 97 49 18.0	100.000 453	10.0 467	7.1 Entravision Holdings, Llc	28.5R	3.7M
One Step Application										
258C	R15085<	DEL TX	251.6 71.4	34.47	26 04 53.0 97 49 44.0	100.000 600	10.0 619	7.1 Entravision Holdings Llc	28.5R	6.0M
CP filed as part of the C0 reclassification process - downgrade LIC if CP not built										
206B	AL2706<	AL TA	272.2 91.7	113.22	26 12 54.0 98 38 10.0	50.000 150	80.7 205	65.0	104.5R	8.7M
Proposed by Mexico 971029-Restricted allotment limited to 50kw ERP and 10m HAAT or the equivalent along the 101.6 degree azimuth toward channel 203A in Edinburg, TX-Commission awaiting further clarification of HAAT 980113 IB acceptance 990125. Restricted allotment limited to 50 KW ERP and 100 m HAAT or the equivalent along the 101.6 degree azimuth towards channel 203A in Edinburg, Texas.										
258C0	KKPS<	LIC_CN TX	251.6 71.4	34.47 BLH19890516KB	26 04 53.0 97 49 44.0	100.000 316	10.0 334	7.1 Entravision Holdings, Llc	24.5R	10.0M
Notified to Mexico 971114										
203A	AL4416	TX	7.3 187.3	46.11	26 35 28.0 97 26 34.0	6.000 100	2.8 102	28.4	20.1	15.5
4/18/2014: Accepted on channel 203-A (26-35-28 N, 97-26-34 W) by IFT (Mexico) in 3/13/2014 letter. Note: not short-spaced.										
207A	AL8523<	AL TA	148.9 329.0	47.89	25 48 38.0 97 15 17.0	3.000 100	2.3 102	24.0	30.5R	17.4M
206A	AL9079<	AL TA	215.8 35.6	88.71	25 31 55.0 98 01 11.0	3.000 100	35.4 105	24.0	67.5R	21.2M
203A	KOIR	LIC_CX TX	265.4 85.1	68.12 BLED20141203ABG	26 07 46.0 98 10 56.0	3.000 85	2.2 114	22.6 Rio Grande Bible Institute	43.3	43.4
207A	AL8745<	AL TA	263.4 83.1	78.04	26 05 50.0 98 16 42.0	3.000 100	2.3 137	24.0	30.5R	47.5M
06Z2	XET<	GR_HN NL	258.0 76.8	280.00	25 37 52.0 100 14 04.0	80.000 977	2.2 977	72.0	224.5R	55.5M
204C2	KKLM	LIC_CX TX	356.7 176.7	173.91 BLED20131115ALD	27 44 29.0 97 36 09.0	14.000 264	74.6 277	50.6 Educational Media Foundati	76.1	88.4

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
205B Nuevo Laredo	R13791«	VAC TA	___	306.3 125.4	250.60	27 30 02.0 99 32 56.0	50.000 150	139.0 292	65.0	162.5R	88.1M
6/23/2010: Proposed in COFETEL's (Mexico's) 6/21/2010 response letter. 6/28/2010: Accepted on channel 205-B by IB in 6/28/2010 letter. Note: not short-spaced.											
204C Sabinas Hidalgo	AL9232«	AL NL	___	272.5 91.3	260.94	26 15 30.0 100 07 00.0	100.000 600	123.0 623	92.0	160.5R	100.4M
Accepted by Commission 940216											
206A Ciudad Mier	AL9239«	AL TA	___	279.7 99.0	168.24	26 25 30.0 99 10 03.0	3.000 100	39.2 186	24.0	67.5R	100.7M
202A Rio Grande City	KXJT	LIC TX	DCX	282.1 101.5	134.95 BLED20140214AAY	26 25 41.0 98 49 38.0	2.650 149	1.8 224	21.9 Colonias Unidas	110.6	110.9
205B Soto La Marina	AL8517«	AL TA	___	194.9 14.6	277.39	23 46 02.0 98 12 14.0	50.000 150	137.7 150	65.0	162.5R	114.9M
208C1 Robstown	KLUX	LIC TX	DCY	356.7 176.7	173.88 BLED19891206KA	27 44 28.0 97 36 08.0	60.000 291	5.6 307	53.2 Diocesan Telecommunication	145.0	118.5
208A General Bravo	AL8683«	AL NL	___	255.8 75.1	173.03	25 47 20.0 99 10 40.0	3.000 100	2.3 100	24.0	30.5R	142.5M
205AA Linares	R16743«	ADD NL	___	235.1 54.3	254.08	24 51 32.0 99 34 07.0	6.000 100	86.7 100	28.0	110.5R	143.6M
3/24/2015: Proposed in 20 March 2015 letter.											

Terrain database is USGS 03 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= , Co to 3rd adjacent.  
All separation margins (if shown) include rounding. Call signs with strikeout need not be protected.  
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.  
< = Contour Overlap

Kessler and Gehman Associates, Inc.  
 Telecommunications Consulting Engineers  
 TV Channel 6 Spacing Study  
 Rgv Educational Broadcasting, Inc.

REFERENCE CLASS = A Int = A DISPLAY DATES  
 26 10 46.9 N. DATA 05-12-15  
 97 30 06.6 W. Current Spacings to 3rd Adj. SEARCH 05-12-15  
 ----- Channel 205 - 88.9 MHz -----

Call	Channel	Location	Azi	Dist	FCC	Margin
<b>KJFF</b>	LIC 205A	Harlingen	TX 148.9	0.03	114.5	-114.5
R10546	PRO 208C	Valle Hermoso	TA 209.0	65.14	93.5	-28.4
3/29/2005: Proposed by Mexico by letter dated 12/24/04 as a restricted allotment limited to 3 kW ERP and 100 m HAAT or the equivalent in the azimuth arc of 270 - 130 degrees to provide protection to channel 205A, Harlingen, TX and 208C, Robstown, TX.						
XHNVA-FM	OPE-? 208C	Valle Hermoso	TA 209.0	65.14	93.5	-28.4
approved 7/31/01 as restricted allotment limited to 3kW ERP and 100m HAAT or the equivalent along the range of azimuths from 270 degrees to 130 degrees to protect channel 205A in Harlingen, TX and channel 208C in Robstown, TX						
<b>KVHI</b>	LIC 204A	Raymondville	TX 319.9	48.91	71.5	-22.6
R11431	ADD 208C1	Valle Hermoso	TA 213.4	57.09	73.5	-16.4
8/2/2006: Proposed 3/30/06 as a restricted allotment limited to 50 kW ERP and 150m HAAT or the equivalent along the 33.28 degree azimuth in the direction of channel 205A, Harlingen, TX and limited to 49 kW ERP and 100m HAAT or the equivalent along the 5.42 degree azimuth in the direction of channel 208C, Robstown, TX 9/14/2007: Objected to by IB in 6/2/2005 letter. Recon. filed 30 March 2006						
<b>KBNR</b>	LIC 202A	Brownsville	TX 185.3	28.95	30.5	-1.6
Proposed as Class B to Mexico 960621-Restricted allotment capable of operating at maximum parameters-Objected to by Mexico 961111-Accepted by Mexico 970211 as Class AA						
AL0649	AL 204AA	Valle Hermoso	TA 207.7	70.32	67.5	2.8
SPECIALLY NEGOTIATED SHORT-SPACED ALLOTMENT						
KKPS	CP 258C	Brownsville	TX 263.9	32.15	28.5	3.7
One Step Application						
R15085	DEL 258C	Brownsville	TX 251.6	34.47	28.5	6.0
CP filed as part of the C0 reclassification process - downgrade LIC if CP not built						
AL2706	AL 206B	Ciudad Camargo	TA 272.2	113.22	104.5	8.7
Proposed by Mexico 971029-Restricted allotment limited to 50kw ERP and 10m HAAT or the equivalent along the 101.6 degree azimuth toward channel 203A in Edinburg, TX-Commission awaiting further clarification of HAAT 980113 IB acceptance 990125. Restricted allotment limited to 50 KW ERP and 100 m HAAT or the equivalent along the 101.6 degree azimuth towards channel 203A in Edinburg, Texas.						
KKPS	LIC 258C0	Brownsville	TX 251.6	34.47	24.5	10.0
Notified to Mexico 971114						
AL4416	203A	Port Mansfield	TX 7.3	45.95	30.5	15.5
4/18/2014: Accepted on channel 203-A (26-35-28 N, 97-26-34 W) by IFT (Mexico) in 3/13/2014 letter. Note: not short-spaced.						
AL8523	AL 207AA	El Carmen	TA 148.9	47.89	30.5	17.4

Call	Channel	Location		Azi	Dist	FCC	Margin
AL9079	AL	206AA	Candido Aguilar	TA	215.8	88.71	21.2
KOIR	LIC	203A	Edinburg	TX	265.4	68.25	37.8
AL8745	AL	207AA	Reynosa	TA	263.4	78.04	47.5
XET	GR	06Z2	Monterrey	NL	258.0	280.00	55.5
KKLM	LIC	204C2	Corpus Christi	TX	356.7	173.32	67.8
R13791	VAC	205B	Nuevo Laredo	TA	306.3	250.60	88.1
6/23/2010: Proposed in COFETEL's (Mexico's) 6/21/2010 response letter.							
6/28/2010: Accepted on channel 205-B by IB in 6/28/2010 letter. Note:							
not short-spaced.							
KLUX	LIC-D	208C1	Robstown	TX	356.7	173.28	98.8
AL9232	AL	204C	Sabinas Hidalgo	NL	272.5	260.94	100.4
Accepted by Commission 940216							
AL9239	AL	206AA	Ciudad Mier	TA	279.7	168.24	100.7
KXJT	LIC-D	202A	Rio Grande City	TX	282.1	135.18	104.7
AL8517	AL	205B	Soto La Marina	TA	194.9	277.39	114.9
KBTD	LIC	206A	Freer	TX	328.8	213.75	142.3
AL8683	AL	208AA	General Bravo	NL	255.8	173.03	142.5
R16743	ADD	205AA	Linares	NL	235.1	254.08	143.6
3/24/2015: Proposed in 20 March 2015 letter.							
KAWV	LIC-D	202C3	Alice	TX	340.5	185.12	143.6
KBTD	CP	206A	Freer	TX	329.4	215.45	144.0

-----  
All separation margins include rounding

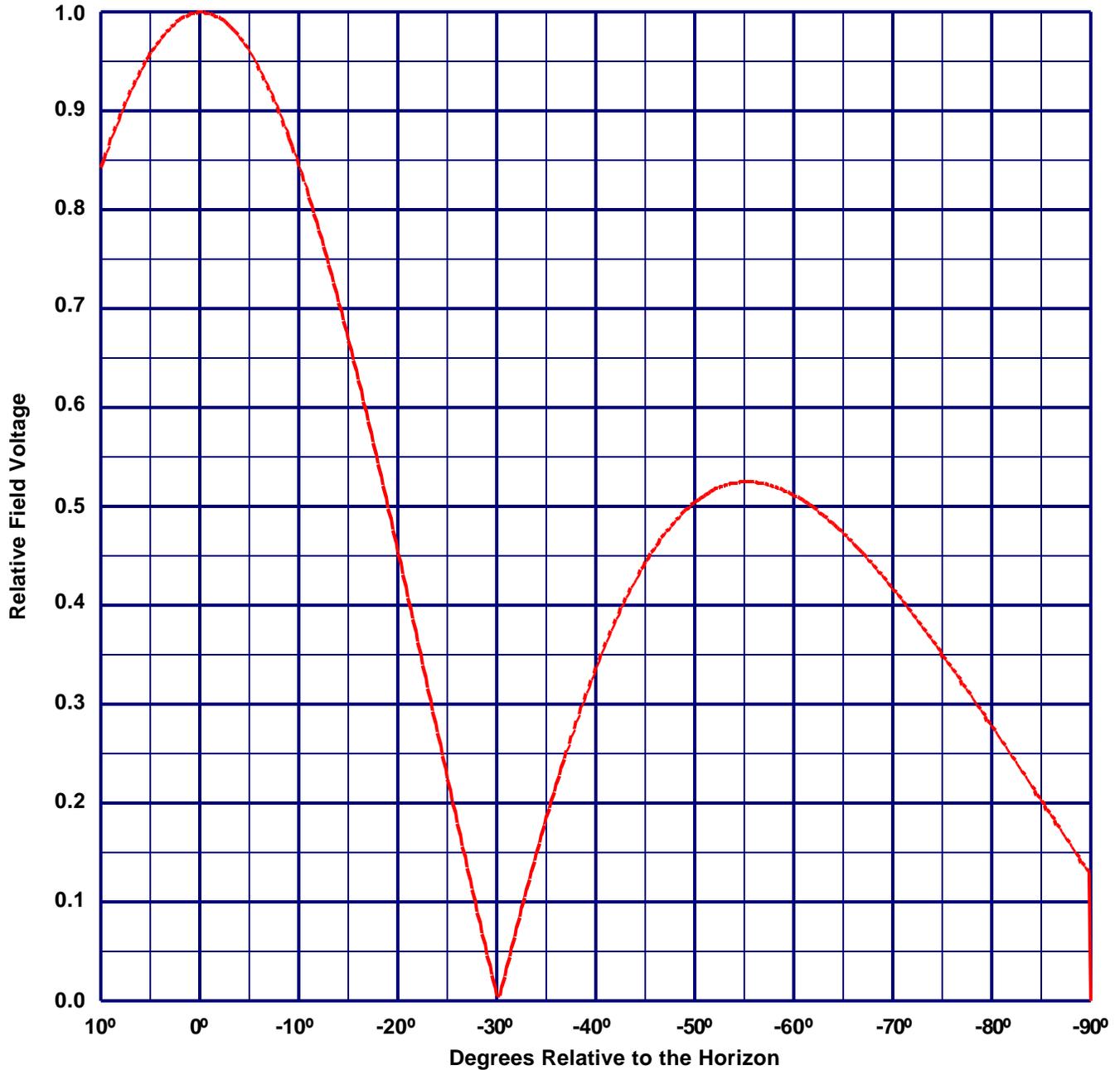


# Vertical Plane Relative Field Pattern

ERI TYPE SHP, SHPX, MP, MPX, LP OR LPX ELEMENTS

A 2 level, 1 wave-length spaced non directional antenna

with 0° beam tilt, 0% null fill and a H/V maximum power ratio of 1.000



<b>Vertical Polarization Gain:</b>
Maximum: 0.997 (-0.013 dB)
Horizontal Plane: 0.997 (-0.013 dB)

<b>Horizontal Polarization Gain:</b>
Maximum: 0.997 (-0.013 dB)
Horizontal Plane: 0.997 (-0.013 dB)

EXHIBIT 9

**KJJF-FM CHANNEL 205**

*HARLINGEN, TEXAS*

TABULATION OF RELATIVE FIELD FOR PROPOSED DIRECTIONAL ANTENNA

ANGLE	FIELD										
-10.0	0.850	-10.0	0.850	10.5	0.829	31.0	0.036	51.5	0.516	72.0	0.391
-9.5	0.861	-9.5	0.861	11.0	0.814	31.5	0.056	52.0	0.518	72.5	0.384
-9.0	0.872	-9.0	0.872	11.5	0.797	32.0	0.076	52.5	0.520	73.0	0.377
-8.5	0.883	-8.5	0.883	12.0	0.781	32.5	0.095	53.0	0.522	73.5	0.370
-8.0	0.894	-8.0	0.894	12.5	0.763	33.0	0.114	53.5	0.523	74.0	0.364
-7.5	0.905	-7.5	0.905	13.0	0.745	33.5	0.133	54.0	0.524	74.5	0.357
-7.0	0.916	-7.0	0.916	13.5	0.727	34.0	0.151	54.5	0.525	75.0	0.350
-6.5	0.927	-6.5	0.927	14.0	0.708	34.5	0.169	55.0	0.525	75.5	0.343
-6.0	0.938	-6.0	0.938	14.5	0.689	35.0	0.187	55.5	0.525	76.0	0.336
-5.5	0.949	-5.5	0.949	15.0	0.669	35.5	0.204	56.0	0.525	76.5	0.328
-5.0	0.960	-5.0	0.960	15.5	0.649	36.0	0.221	56.5	0.524	77.0	0.321
-4.5	0.967	-4.5	0.967	16.0	0.629	36.5	0.237	57.0	0.523	77.5	0.314
-4.0	0.974	-4.0	0.974	16.5	0.608	37.0	0.253	57.5	0.522	78.0	0.307
-3.5	0.980	-3.5	0.980	17.0	0.587	37.5	0.269	58.0	0.520	78.5	0.299
-3.0	0.985	-3.0	0.985	17.5	0.565	38.0	0.284	58.5	0.519	79.0	0.292
-2.8	0.990	-2.5	0.990	18.0	0.544	38.5	0.298	59.0	0.516	79.5	0.285
-2.6	0.994	-2.0	0.994	18.5	0.522	39.0	0.312	59.5	0.514	80.0	0.277
-2.4	0.996	-1.5	0.996	19.0	0.499	39.5	0.326	60.0	0.511	80.5	0.270
-2.2	0.998	-1.0	0.998	19.5	0.477	40.0	0.339	60.5	0.508	81.0	0.262
-2.0	1.000	-0.5	1.000	20.0	0.455	40.5	0.352	61.0	0.505	81.5	0.255
-1.8	1.000	0.0	1.000	20.5	0.432	41.0	0.364	61.5	0.502	82.0	0.247
-1.6	1.000	0.5	1.000	21.0	0.409	41.5	0.376	62.0	0.498	82.5	0.240
-1.4	0.998	1.0	0.998	21.5	0.386	42.0	0.387	62.5	0.494	83.0	0.232
-1.2	0.996	1.5	0.996	22.0	0.363	42.5	0.398	63.0	0.490	83.5	0.225
-1.0	0.994	2.0	0.994	22.5	0.340	43.0	0.409	63.5	0.486	84.0	0.217
-0.8	0.990	2.5	0.990	23.0	0.317	43.5	0.418	64.0	0.482	84.5	0.210
-0.6	0.985	3.0	0.985	23.5	0.294	44.0	0.428	64.5	0.477	85.0	0.202
-0.4	0.980	3.5	0.980	24.0	0.272	44.5	0.437	65.0	0.472	85.5	0.195
-0.2	0.974	4.0	0.974	24.5	0.249	45.0	0.445	65.5	0.467	86.0	0.187
0.0	0.967	4.5	0.967	25.0	0.226	45.5	0.453	66.0	0.462	86.5	0.179
0.2	0.960	5.0	0.960	25.5	0.203	46.0	0.461	66.5	0.457	87.0	0.172
0.4	0.952	5.5	0.952	26.0	0.180	46.5	0.468	67.0	0.452	87.5	0.164
0.6	0.942	6.0	0.942	26.5	0.158	47.0	0.475	67.5	0.446	88.0	0.156
0.8	0.933	6.5	0.933	27.0	0.135	47.5	0.481	68.0	0.440	88.5	0.149
1.0	0.922	7.0	0.922	27.5	0.113	48.0	0.487	68.5	0.435	89.0	0.141
1.2	0.911	7.5	0.911	28.0	0.091	48.5	0.492	69.0	0.429	89.5	0.134
1.4	0.899	8.0	0.899	28.5	0.069	49.0	0.497	69.5	0.423	90.0	0.126
1.6	0.886	8.5	0.886	29.0	0.048	49.5	0.502	70.0	0.416		
1.8	0.873	9.0	0.873	29.5	0.027	50.0	0.506	70.5	0.410		
2.0	0.859	9.5	0.859	30.0	0.006	50.5	0.509	71.0	0.404		
2.2	0.845	10.0	0.845	30.5	0.015	51.0	0.513	71.5	0.397		

**Kessler and Gehman Associates, Inc.**



Consultants • Broadcast • Wireless  
 507 NW 60th Street, Suite C  
 Gainesville, FL 32607  
[www.kesslerandgehman.com](http://www.kesslerandgehman.com)

**KJJF-FM CHANNEL 205**

*HARLINGEN, TEXAS*

20150513

EXHIBIT 10