

# Exhibit 13.1 - Copy of Existing Antenna Structure Registration



## Registration Detail

Reg Number	1205092	Status	Constructed
File Number	A0100665	Constructed	04/26/1999
EMI	No	Dismantled	
NEPA	No		

## Antenna Structure

Structure Type TOWER - Free standing or Guyed Structure used for Commu

### Location (in NAD83 Coordinates)

Lat/Long	31-32-20.5 N 097-10-58.0 W	Address	1718 N 42ND ST
City, State	WACO , TX		
Zip	76710	County	MCLENNAN
Center of AM Array		Position of Tower in Array	

### Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
177.1	140.2
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
317.3	140.2

## Painting and Lighting Specifications

FCC Paragraphs A2, H, 3, 4, 13, 21, 23

## FAA Notification

FAA Study	98-ASW-4350-OE	FAA Issue Date	04/26/1999
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## Owner & Contact Information

FRN	0001665942	Owner Entity Type	
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### Owner

MC LENNAN, COUNTY OF  
Attention To: WAYNE CANADAY  
623 WASHINGTON AVE  
WACO , TX 76701

P: (254)757-5190  
F:  
E:

### Contact

P:  
F:  
E:

## Last Action Status

Status	Constructed	Received	12/27/2000
Purpose	Notification	Entered	10/22/1999
Mode	Mail In (Manual)		

## Related Applications

12/27/2000	A0155828 - Notification (NT)
11/20/2000	A0151433 - Notification (NT)
10/18/1999	A0100665 - New (NE)

## Comments

### Comments

None

## History

### Date

01/03/2001  
10/30/2000  
10/26/1999  
All History (4)

### Event

Construction Notification Received  
Construction Reminder Letter Sent  
Registration Printed

## Automated Letters

10/30/2000	Construction Reminder, Reference 80198
10/26/1999	Authorization, Reference 27310

## Exhibit 13.2

### Vertical Plan of Antenna System

The site is located at 1718 N 42nd Street,  
the city of Waco, McLennan County, Texas.

#### Site Location (NAD 27)

NL: 31° 32' 20"

WL: 97° 10' 57"

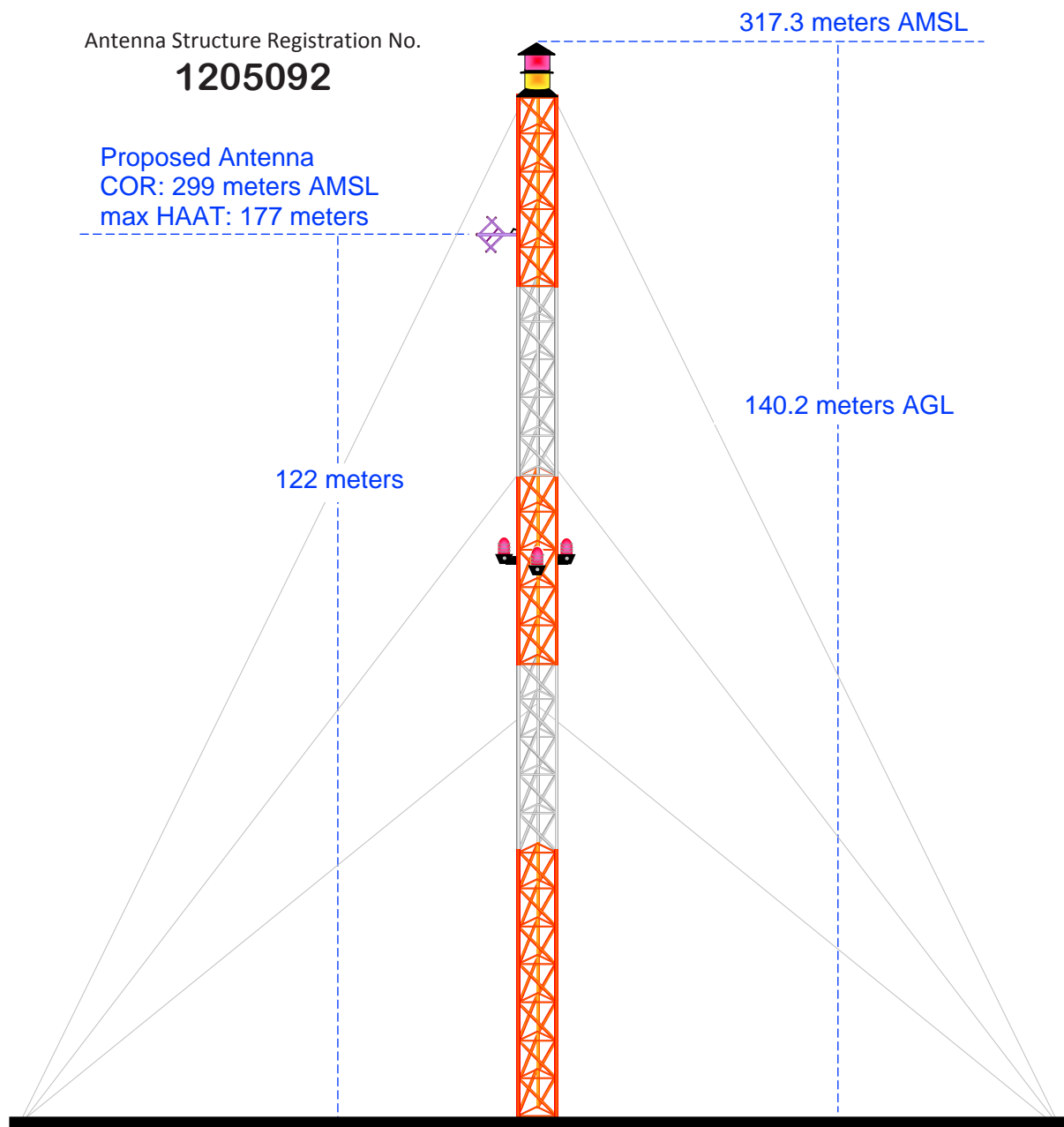
(31-32-20.5NL; 97-10-58.0WL NAD1983)

#### NOTE: Existing Tower Construction

Antenna Structure Registration No.

**1205092**

Proposed Antenna  
COR: 299 meters AMSL  
max HAAT: 177 meters



Ground Elevation = 177.1 m AMSL

Drawing is not to Scale

**MUNN-REESE, INC.**

Broadcast Engineering Consultants  
Coldwater, MI 49036

Terrain  
102 233 m

USGS 03 SEC Terrain Database  
U.S. Census 2010 PL Database

## Exhibit 13.3 Present vs. Proposed Service Contour Study

*Long-Form 60 dBμ F(50:50) Contour*  
*Short-Form 60 dBμ F(50:50) Contour*

**CH256D.long-form**  
Waco, TX  
Proposed Operation  
Facility ID: 147224  
Latitude: 31-32-20 N  
Longitude: 097-10-57 W  
ERP: 0.075 kW  
Channel: 256D  
Frequency: 99.1 MHz  
AMSL Height: 299.0 m  
Horiz. Pattern: Omni

**60 dBμ Contour**  
Total Population: 160,255  
Total Area: 423 sq. km

**CH253D.short-form**  
Waco, TX  
BNPFT20030317ADW  
Facility ID: 147224  
Latitude: 31-32-20 N  
Longitude: 097-10-57 W  
ERP: 0.075 kW  
Channel: 253D  
Frequency: 98.5 MHz  
AMSL Height: 299.0 m  
Horiz. Pattern: Omni

**60 dBμ Contour**  
Total Population: 160,255  
Total Area: 423 sq. km

**CH256D.long-form+**  
**CH253D.short-form**

Waco

Beverly Hills

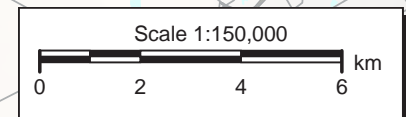
Woodway

Hewitt

Robinson

Northcrest  
Lacy-Lakeview

Bellmead



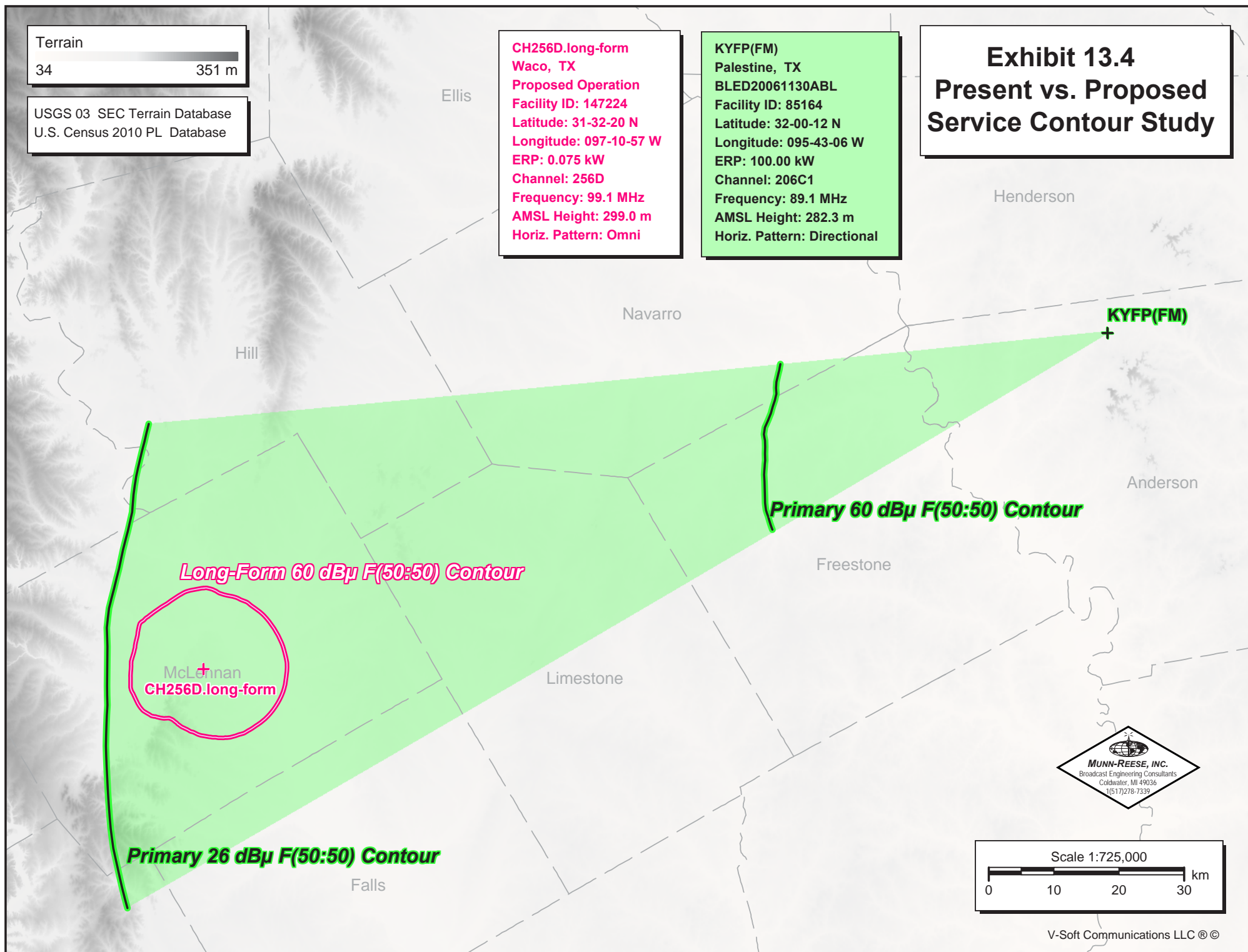
Terrain  
34 351 m

USGS 03 SEC Terrain Database  
U.S. Census 2010 PL Database

**CH256D.long-form**  
Waco, TX  
**Proposed Operation**  
Facility ID: 147224  
Latitude: 31-32-20 N  
Longitude: 097-10-57 W  
ERP: 0.075 kW  
Channel: 256D  
Frequency: 99.1 MHz  
AMSL Height: 299.0 m  
Horiz. Pattern: Omni

**KYFP(FM)**  
Palestine, TX  
BLED20061130ABL  
Facility ID: 85164  
Latitude: 32-00-12 N  
Longitude: 095-43-06 W  
ERP: 100.00 kW  
Channel: 206C1  
Frequency: 89.1 MHz  
AMSL Height: 282.3 m  
Horiz. Pattern: Directional

## Exhibit 13.4 Present vs. Proposed Service Contour Study





# Exhibit 13.5

## Tabulation of Proposed Commercial Allocation

Bible Broadcasting Network, Inc. CH# 256D - 99.1 MHz, Pwr= 0.075 kW, HAAT= 149.3 M, COR= 299 M Average Protected F(50-50)= 11.7 km Omni-directional											
REFERENCE										DI SPLAY DATES	
31 32 20.0 N.										DATA 03-04-13	
97 10 57.0 W.										SEARCH 03-05-13	
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*	
256A Moody	AL3866	VAC TX	221.2 41.1	37.59 RM11184	31 17 03.0 97 26 35.0	6.000 100	85.4 322	27.3 Charles Crawford	-57.7*<	-23.2*<	
253D Waco	639848	APP C TX	0.0 0.0	0.00 BNPFT20030317ADW	31 32 20.0 97 10 57.0	0.075 149	0.6 299	12.5 Bible Broadcasting Networ	-13.1*<	-13.1*<	
256C3 Fairfi eld	KNES	LIC C TX	81.5 262.1	110.95 BLH20001222AAC	31 40 55.0 96 01 22.0	11.500 147	102.7 261	37.3 J & J Communications, Inc.	-4.6<	31.3	
256C Denton	KDXX	LIC CX TX	350.2 170.0	208.84 BMLH20050309ADF	33 23 22.0 97 33 53.0	100.000 356	178.2 639	76.2 Khck-fm License Corp.	18.2	91.6	
258C Fort Worth	KPLX	LIC CN TX	9.5 189.6	117.56 BMLH19850211KR	32 34 54.0 96 58 32.0	100.000 511	12.3 704	84.4 Kpl x Li co, Inc.	93.1	32.5	
Corrected 30 Jan 2002 the RCAMSL value from 951 m to 704 meters pursuant to information on file.											
254C Dallas	KLUV	LIC CY TX	9.8 189.9	118.44 BLH19990216KA	32 35 19.0 96 58 05.0	100.000 507	12.2 698	84.0 Cbs Radio Texas Inc.	94.1	33.9	
256C Houston	KODA	LIC C TX	143.3 324.2	270.65 BMLH20090424AAA	29 34 34.0 95 30 36.0	100.000 585	196.4 605	91.1 Amfm Texas Licenses Lic	62.4	140.1	
257A Thorndale	KOKE-FM	LIC NCX TX	185.5 5.4	117.17 BLH20051208ACB	30 29 23.0 97 17 56.0	6.000 100	43.4 250	28.1 Reo Radio Group, Lic	63.6	74.8	
255C2 Leander	KUTX	LIC NCX TX	206.2 25.9	142.10 BMLED20120828ABD	30 23 26.0 97 50 13.0	29.000 157	65.9 395	43.4 The Uni versi ty Of Texas At	66.9	85.7	
253A Rockdale	KRXT	LIC CN TX	172.0 352.1	100.65 BLH19910724KA	30 38 32.0 97 02 13.0	6.000 100	2.9 233	30.5 Krxt, Inc.	86.9	69.6	
257C1 Brownwood	KPSM	LIC NCX TX	277.1 96.1	174.70 BLH20021203ACT	31 43 10.0 99 00 57.0	100.000 136	90.2 589	60.4 Blm Of Brownwood, Inc.	73.3	98.1	
254D Copperas Cove	K254BL	LIC C TX	235.6 55.2	85.93 BLFT20070320ALW	31 06 01.0 97 55 39.0	0.075 147	0.6 443	11.9 Educational Medi a Foundati	74.1	73.4	
253A Lometa	AL7755	VAC TX	258.5 77.8	122.46 RM11137	31 18 45.0 98 26 45.0	6.000 100	2.9 528	30.0 Charles Crawford	108.2	91.8	
drop in with two related CO reclassi fications											
256C3 Fredericksburg	R10322	ADD TX	230.9 49.9	229.66	30 13 21.0 99 02 15.0	25.000 100	116.4 685	41.5 Katherine Pyeatt	102.4	151.5	
258A Bryan	KNFX-FM	LIC NCX TX	140.6 321.0	127.19 BLH20080915AET	30 39 09.0 96 20 16.0	6.000 57	1.8 144	17.9 Cc Licenses, Lic	113.5	108.7	
256C3 Harper	1191703	RSV-A TX	233.2 52.3	232.63	30 16 20.0 99 07 25.0	25.000 100	111.6 712	37.1 Katherine Pyeatt	110.0	158.3	
One Step Application											
256C3 Harper	AL3504	VAC TX	233.2 52.3	232.63 RM11400	30 16 20.0 99 07 25.0	25.000 100	111.6 712	37.1 Katherine Pyeatt	110.0	158.3	

Terrain database is NED 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= West Zone, 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)  
 "\*\*\*affixed to 'IN' or 'OUT' values = site inside protected contour.  
 < = Contour Overlap

Blue Highlighted Text denotes the BNPFT-20030317ADW - Waco, TX, facility to be modified by this Form 349 filing. This facility need not be protected.

Yellow Highlighted Text denotes a pending (Rulemaking) Channel Vacancy for VAC256A - Moody, TX. As a matter of FCC Policy, pending Full Service proposals do not require protection. The applicant understands this pending Rulemaking may ultimately necessitate the displacement of this CH256D.P Translator proposal at a later date.