

DELAWDER COMMUNICATIONS, INC.

P.O. Box 1095
Ashburn, Virginia 20146-1095
(703) 299-9222

ENGINEERING REPORT

Sanger, TX, Channel 225D FM Translator Application

ENGINEERING STATEMENT

Iglesia Evangelica Apostoles Y Profetas Nazareth, Inc. ("Applicant") submits this Long-form Application that covers its pending Auction 83 Short-form Application for a new FM translator station at Sanger, TX. The pending Short-form application file number is BNPFT-20030314AGC.

There are no tech box changes being made by this long-form application.

CHANNEL STUDY

Attached as Figure EE1 is a channel study for the proposed channel 225D facility. All required protections are met by contour non-overlap pursuant to Section 74.1204.

CONTOUR OVERLAP SHOWING

No detailed study is required due to contour non-overlap clearance as listed in Figure EE1 for each protected facility. The service and interference contour distances that are listed on Figure EE1 use the worst-case (greatest) distance along any bearing for each facility, and also considers each protected station as omni-directional. No contour overlap using this worst-case test means no possible contour overlap when applying Section 73.313 methodology.

SECTION 74.1204 CHANNEL STUDY**PROJECT: SANGER, TX, 225D FROM PROPOSED SITE****STUDY COORDINATES: N 33-24-52.0; W 97-11-32.0 (N D-M-S; W D-M-S)**

Call Docket	Channel FacilityID	Class Service	Frequency ERP	Status DA?	City HAAT	State RCAMSL	Country RCAGL	File Number
Latitude	Longitude			ASRN	Dist (km)	Dist (mi)	Azimuth	
KZPS	223 C	FM	92.5 MHz	LIC	DALLAS	TX	US	BMLH-20060907AAO
-	6378		100. kW		508. m	698. m	453. m	
N 32 35	19.00	W	96 58	5.00	1045531	93.95 km	58.38 mi	167.11°
AMFM TEXAS LICENSES LLC								
Protected Contour Dist: 89.1 km Prop 225D Interf Contour Dist: <1.0 km								
Result: >3.4 km CLEAR (WORST-CAST STUDY)								
NEW	225 D	FX	92.9 MHz	APP	SANGER	TX	US	BNPFT-20030314AGC
-	146564		0.25 kW		0. m	277. m	40. m	
N 33 24	52.00	W	97 11	32.00	1047192	0.00 km	0.00 mi	0.00°
IGLESIA EVANGELICA APOSTOLES Y PROFETAS NAZARETH, INC,								
NOTE: THIS IS THE AUCTION 83 SHORT-FORM APPLICATION THAT IS BEING COVERED BY THIS LONG-FORM APPLICATION								
KMKT	226 C3	FM	93.1 MHz	LIC	BELLS	TX	US	BLH-19970815KB
-	77588		6.8 kW		191. m	379. m	178. m	
N 33 41	31.00	W	96 26	36.00	1019527	76.05 km	47.26 mi	65.82°
NM LICENSING LLC								
Protected Contour Dist: 41.6 km Prop 225D Interf Contour Dist: 18.3 km								
Result: 16.1 km CLEAR (WORST-CAST STUDY)								
KLIF-FM	227 C2	FM	93.3 MHz	LIC	HALTOM CITY	TX	US	BLH-20010522AAR
-	27299		50. kW	DA	120. m	274. m	146. m	
N 32 46	44.00	W	96 55	22.00	1209110	74.84 km	46.50 mi	160.37°
SUSQUEHANNA RADIO CORP.								
Protected Contour Dist: 51.1 km Prop 225D Interf Contour Dist: <1.0 km								
Result: 22.7 km CLEAR (WORST-CAST STUDY)								
KLIF-FM	227 C2	FM	93.3 MHz	CP	HALTOM CITY	TX	US	BPH-20130425ABE
-	27299		16.5 kW	DA	264. m	414. m	284. m	
N 32 46	48.00	W	96 48	13.00	1064625	79.16 km	49.19 mi	152.73°
SUSQUEHANNA RADIO CORP.								
Protected Contour Dist: 54.4 km Prop 225D Interf Contour Dist: <1.0 km								
Result: 23.8 km CLEAR (WORST-CAST STUDY)								

Study Complete