

**DELAUDER COMMUNICATIONS, INC.**

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

**ENGINEERING REPORT**

---

**Solimar Beach, CA, Channel 255D FM Translator Application**

**ENGINEERING STATEMENT**

Gold Coast Broadcasting, LLC ("Applicant") submits this Long-form Application that covers its pending Auction 83 Short-form Application for a new FM translator station at Solimar Beach, CA. The pending application file number is BNPFT-20030317GXW.

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

Note that this proposal is for an oil platform site off the main California coast.

**FILL-IN MAP**

Figure EEA, attached, is a map showing that the FM translator's 60 dBu F50,50 contour is completely inside the 2 mV/m daytime contour (and completely inside of the 40 kilometer radius circle contour) of KUNX(AM).

**CHANNEL STUDY**

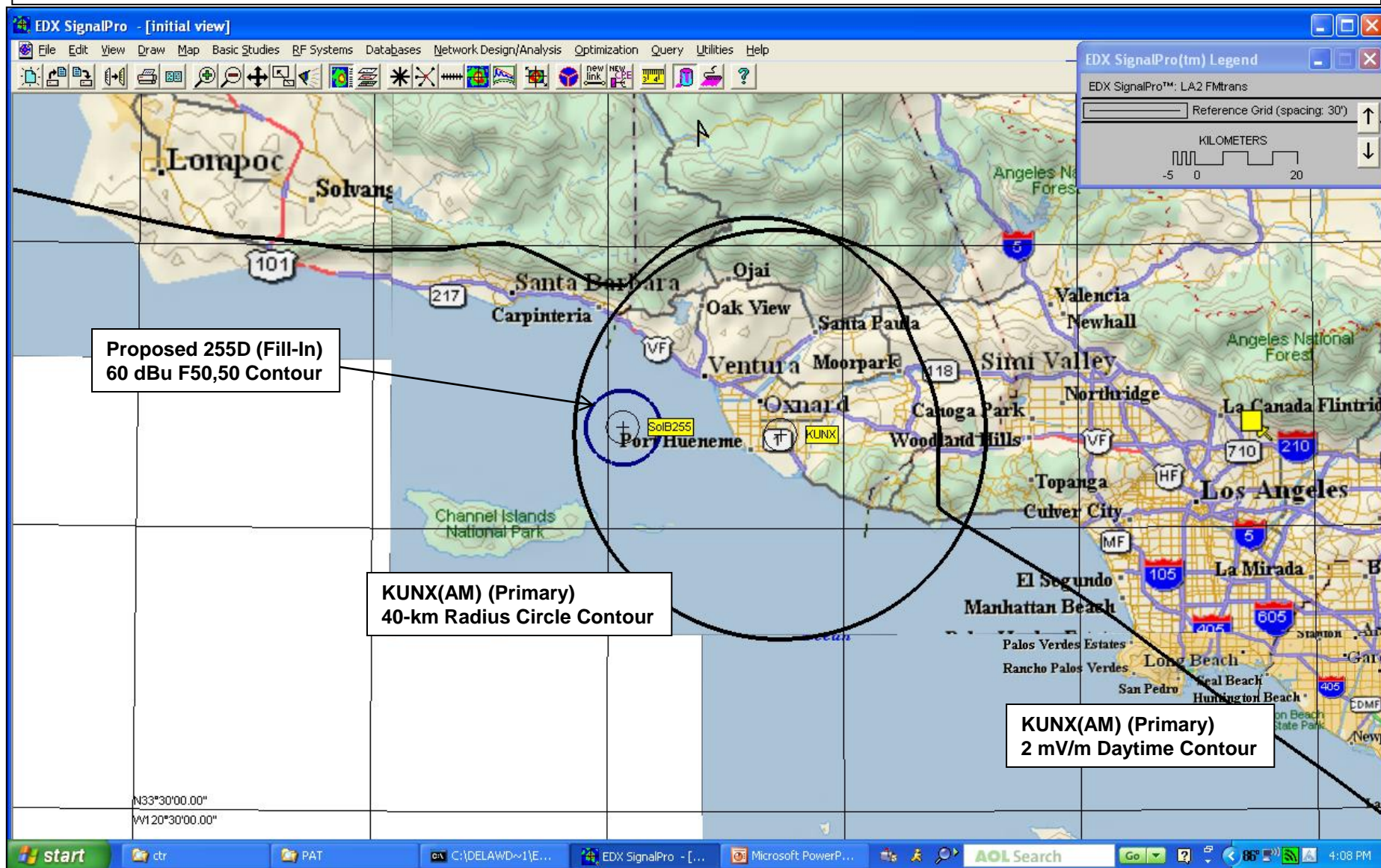
Attached as Figure EE1 is a channel study for the proposed channel 255D facility. All required protections are met by contour non-overlap pursuant to Section 74.1204.

**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.

# **FIGURE EEA**

## **Solimar Beach, CA, 255D Contour Fill-In Map**



**SECTION 74.1204 CHANNEL STUDY****PROJECT: SOLIMAR BEACH,CA, 255D FROM PROPOSED SITE****STUDY COORDINATES: N 34-10-46.0; W 119-28-04.0(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	
KDAR	252 B1 FM	98.3 MHz	LIC	OXNARD	CA	US	BLH-19970528KA	
-	3077	1.5 kW		393. m	677. m	74. m		
N 34 20	55.00	W 119 19	57.00	1015915	22.52 km	14.00 mi	33.42°	
NEW INSPIRATION BROADCASTING COMPANY, INC.								
<b>NOTE: THE 97 DBU F50,10 INTERFERENCE CONTOUR OF THE PROPOSED 255D FM TRANSLATOR EXTENDS TO LESS THAN 1 KILOMETER AND DOES NOT REACH LAND; THEREFORE, THIS FACILITY IS ADEQUATELY PROTECTED.</b>								
KDAR-FM1	252 D FB	98.3 MHz	LIC	SANTA BARBARA	CA	US	BLFTB-20080422AAU	
-	161997	3.7 kW	DA	0. m	649. m	9. m		
N 34 27	56.00	W 119 40	38.00	-	37.13 km	23.07 mi	328.90°	
NEW INSPIRATION BROADCASTING COMPANY, INC.								
<b>NOTE: THE 100 DBU F50,10 INTERFERENCE CONTOUR OF THE PROPOSED 255D FM TRANSLATOR EXTENDS TO LESS THAN 1 KILOMETER AND DOES NOT REACH LAND; THEREFORE, THIS FACILITY IS ADEQUATELY PROTECTED.</b>								
K254AH	254 D FX	98.7 MHz	LIC	ISLA VISTA	CA	US	BLFT-20000926ANE	
-	85653	0.01 kW	DA	278. m	658. m	3. m		
N 34 28	1.00	W 119 40	37.00	-	37.25 km	23.15 mi	329.06°	
PACIFICA FOUNDATION, INC.								
<b>NOTE: THE 54 DBU F50,10 INTERFERENCE CONTOUR OF THE PROPOSED 255D FM TRANSLATOR EXTENDS ONLY TO 10.4 KILOMETERS AND DOES NOT REACH LAND; THEREFORE, THIS FACILITY IS ADEQUATELY PROTECTED.</b>								
NEW	255 D FX	98.9 MHz	APP	SOLIMAR BEACH	CA	US	BNPFT-20030317GXW	
-	143644	0.12 kW		45.9 m	46. m	46. m		
N 34 10	46.00	W 119 28	4.00	-	0.00 km	0.00 mi	0.00°	
GOLD COAST BROADCASTING LLC								
<b>NOTE: THIS IS THE AUCTION 83 SHORT-FORM APPLICATION THAT IS BEING COVERED BY THIS LONG-FORM APPLICATION</b>								
NEW	258 D FX	99.5 MHz	APP	SANTA CRUZ ISLAND	CA	US	BNPFT-20030317GWG	
-	143657	0.1 kW	DA	0. m	448. m	9. m		
N 34 0	9.00	W 119 38	51.50	-	25.70 km	15.97 mi	220.14°	GOLD
COAST BROADCASTING LLC								
<b>NOTE: THIS IS AN AUCTION 83 APPLICATION BY THE APPLICANT. NOTE: THE 100 DBU F50,10 INTERFERENCE CONTOUR OF THE PROPOSED 255D FM TRANSLATOR EXTENDS TO LESS THAN 1 KILOMETER AND DOES NOT REACH LAND; THEREFORE, THIS FACILITY IS ADEQUATELY PROTECTED. (THE LONG-FORM APPLICATION FOR THIS FACILITY SPECIFIES A CHANGE TO CHANNEL 257D THAT REMAINS PROTECTED AS A SECOND-ADJACENT FM.)</b>								

Study Complete