

**DELAWDER COMMUNICATIONS, INC.**

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

**ENGINEERING REPORT**

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**Solimar Beach, CA, Channel 285D 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-20030317GUD.

**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 60 dBu F50,50 contour of KFYV(FM).

**CHANNEL STUDY**

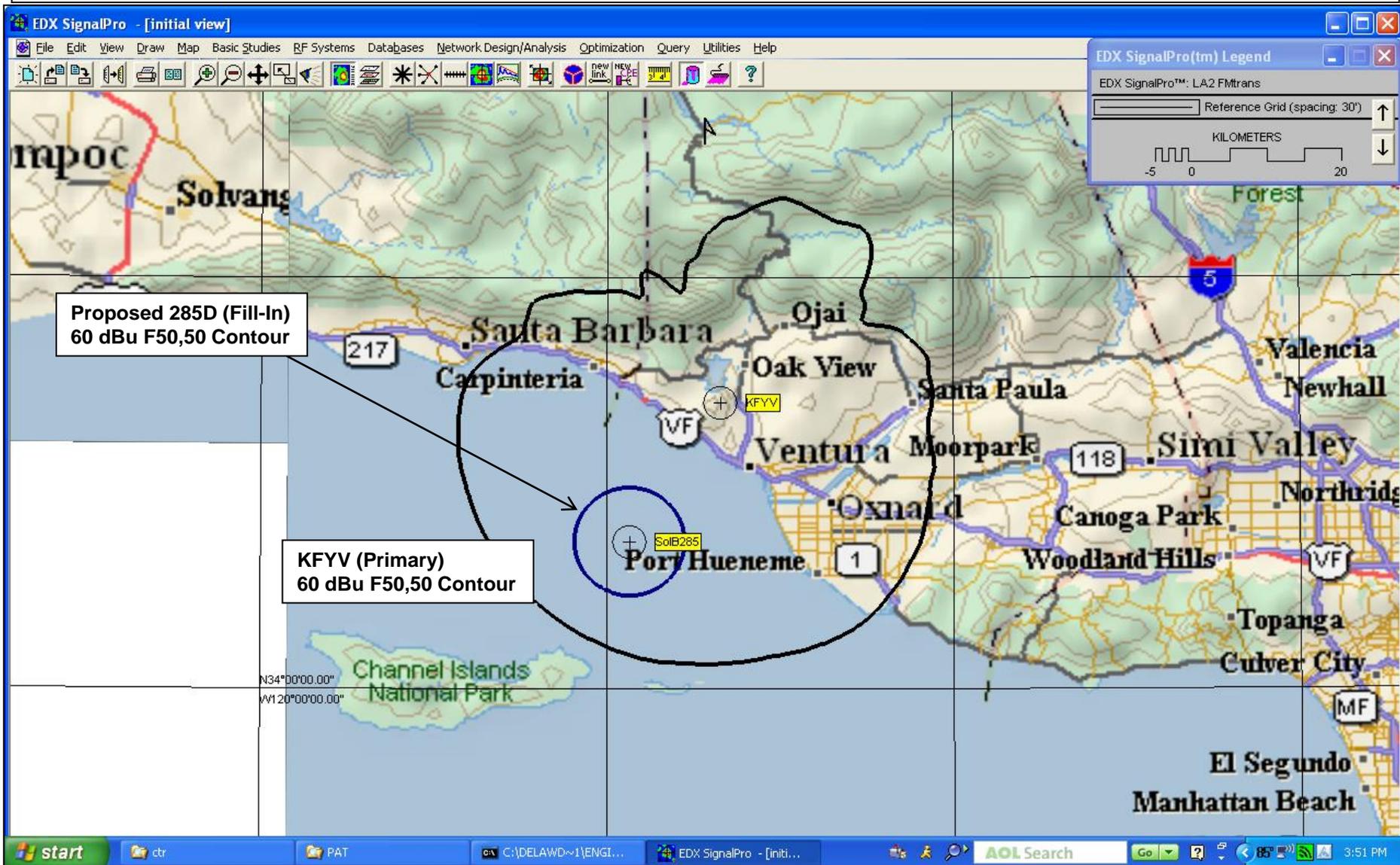
Attached as Figure EE1 is a channel study for the proposed channel 285D facility. All required protections are met by contour non-overlap pursuant to Section 74.1204.

**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, 285D Contour Fill-In Map



**SECTION 74.1204 CHANNEL STUDY**

**PROJECT: SOLIMAR BEACH,CA, 285D 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	
Licensee/Permittee								

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KCAQ	284 B	FM	104.7 MHz	LIC	OXNARD	CA	US	BLH-20080125AEG
-	25092		4.5 kW		464. m	729.1 m	25. m	
N 34 19 49.00	W 119 1 24.00		1018563		44.22 km	27.48 mi	67.55°	

POINT FOUR LLC  
**NOTE: THE 48 DBU F50,10 INTERFERENCE CONTOUR OF THE PROPOSED 285D FM TRANSLATOR EXTENDS ONLY TO 14.5 KILOMETERS AND DOES NOT REACH LAND; THEREFORE, THIS FACILITY IS ADEQUATELY PROTECTED.**

KCAQ	284 B	FM	104.7 MHz	CP	OXNARD	CA	US	BPH-20110415ABA
-	25092		18. kW		252. m	899. m	24. m	
N 34 25 20.00	W 119 2 4.00		-		48.13 km	29.91 mi	55.73°	

POINT FOUR LLC  
**NOTE: THE 48 DBU F50,10 INTERFERENCE CONTOUR OF THE PROPOSED 285D FM TRANSLATOR EXTENDS ONLY TO 14.5 KILOMETERS AND DOES NOT REACH LAND; THEREFORE, THIS FACILITY IS ADEQUATELY PROTECTED.**

NEW	285 D	FX	104.9 MHz	APP	SOLIMAR BEACH	CA	US	BNPFT-20030317GUD
-	143607		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  
**NOTE: THIS IS THE AUCTION 83 SHORT-FORM APPLICATION THAT IS BEING COVERED BY THIS LONG-FORM APPLICATION**

KFYV	288 A	FM	105.5 MHz	LIC	OJAI	CA	US	BLH-19980209KG
-	7744		0.31 kW		438. m	683. m	58. m	
N 34 20 55.00	W 119 20 13.00		1020674		22.30 km	13.86 mi	32.55°	

GOLD COAST BROADCASTING LLC  
**NOTE: THE 100 DBU F50,10 INTERFERENCE CONTOUR OF THE PROPOSED 285D FM TRANSLATOR EXTENDS TO LESS THAN 1 KILOMETER AND DOES NOT REACH LAND; THEREFORE, THIS FACILITY IS ADEQUATELY PROTECTED.**

KFYV	288 A	FM	105.5 MHz	CP	OJAI	CA	US	BPH-20100301ADU
-	7744		0.63 kW		307. m	515. m	15. m	
N 34 20 52.70	W 119 19 25.00		-		22.93 km	14.25 mi	35.22°	

GOLD COAST BROADCASTING LLC  
**NOTE: THE 100 DBU F50,10 INTERFERENCE CONTOUR OF THE PROPOSED 285D FM TRANSLATOR EXTENDS TO LESS THAN 1 KILOMETER AND DOES NOT REACH LAND; THEREFORE, THIS FACILITY IS ADEQUATELY PROTECTED.**

Study Complete