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ENGINEERING REPORT

Summerland, CA, Channel 274D 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 Summerland, CA. The pending application file number is BNPFT-20030317HDD.

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.

CHANNEL STUDY

Attached as Figure EE1 is a channel study for the proposed channel 274D facility. All required protections are met by contour non-overlap pursuant to Section 74.1204.

CONTOUR OVERLAP SHOWING

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.

Figures EE2 and EE2 (Magnified), attached, show non-overlap between the service contour of KXLM and the interference contour of the proposed channel 274D facility. All contours were determined pursuant to Section 73.313 of the FCC Rules using a USGS 3 arc-second terrain database at one-degree radial intervals.

PROTECTION TO ALL SECOND AND THIRD ADJACENT-CHANNEL STATIONS LISTED IN FIGURE EE1

As mentioned above, the proposed transmitter site is located on an Oil Platform that is located more than 6 kilometers from land. The possible interference contour to second and third adjacent-channel stations (the 94 dBu, 97 dBu or 100 dBu F50,10 contour) extends less than 1 kilometer from the Oil Platform site and does not cover any land or population. Therefore, K272DT and KVYB are both protected from interference.

Note that a rule waiver of Section 74.1204 for this second/third adjacent-channel protection using the well-established *Living Way Ministries* Methodology is respectfully requested if such a rule waiver is deemed necessary for protection to these stations.

SECTION 74.1204 CHANNEL STUDY

PROJECT: SUMMERLAND,CA, 274D FROM PROPOSED SITE

STUDY COORDINATES: N 34-20-16.0; W 119-32-29.0(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								
K271AC	271 D	FX	102.1 MHz	LIC	OJAI	CA	US	BLFT-19940518TF
-	59093		0.01 kW	DA	434. m	636. m	0. m	
N 34 20	57.00	W 119 20	7.00	-		19.01 km	11.81 mi	86.11°
SANTA MONICA COMMUNITY COLLEGE DISTRICT								
Protected Contour Dist: 14.0 km Prop 274D Interf Contour Dist: <1.0 km								
Result: 4.0 km CLEAR (WORST-CASE STUDY)								
K272DT	272 D	FX	102.3 MHz	LIC	SANTA BARBARA	CA	US	BMLFT-20100803ACX
-	84008		0.004 kW		273.6 m	665. m	5. m	
N 34 27	56.00	W 119 40	37.00	-		18.87 km	11.73 mi	318.84°
CALIFORNIA LUTHERAN UNIVERSITY								
Protected Contour Dist: 10.4 km Prop 274D Interf Contour Dist: <1.0 km								
Result: 7.5 km CLEAR (WORST-CASE STUDY)								
K272DT	272 D	FX	102.3 MHz	APP	SANTA BARBARA	CA	US	BPFT-20130801ASQ
-	84008		0.115 kW	DA	0. m	666. m	6. m	
N 34 27	57.00	W 119 40	37.00	-		18.90 km	11.74 mi	318.90°
CALIFORNIA LUTHERAN UNIVERSITY								
Protected Contour Dist: 27.9 km Prop 274D Interf Contour Dist: <1.0 km								
Result: -10.0 km SHORT (WORST-CASE STUDY)								
NOTE: THE 100 DBU F50,10 INTERFERENCE CONTOUR OF THE PROPOSED 274D FM TRANSLATOR EXTENDS TO LESS THAN 1 KILOMETER AND DOES NOT REACH LAND; THEREFORE, THIS FACILITY IS ADEQUATELY PROTECTED.								
KSNI-FM	273 B	FM	102.5 MHz	LIC	SANTA MARIA	CA	US	BLH-19891120KB
-	4122		13.5 kW		262. m	433. m	52. m	
N 34 50	8.00	W 120 24	6.00	-		96.33 km	59.85 mi	305.34°
EDB SLO LICENSE LLC								
Protected Contour Dist: 70.4 km Prop 274D Interf Contour Dist: 14.2 km								
Result: 11.7 km CLEAR (WORST-CASE STUDY)								
KIIS-FM	274 B	FM	102.7 MHz	LIC	LOS ANGELES	CA	US	BLH-5361
-	19218		8. kW	DA	902. m	1802. m	66. m	
N 34 13	36.00	W 118 3	57.00	-		136.43 km	84.77 mi	94.79°
CITICASTERS LICENSES, INC.								
Protected Contour Dist: 100.1 km Prop 274D Interf Contour Dist: 35.9 km								
Result: 0.4 km CLEAR (WORST-CASE STUDY)								
NEW	274 D	FX	102.7 MHz	APP	SUMMERLAND	CA	US	BNPFT-20030317HDD
-	156339		0.25 kW		0. m	21. m	21. m	
N 34 20	16.00	W 119 32	29.00	-		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								

SECTION 74.1204 CHANNEL STUDY

PROJECT: SUMMERLAND,CA, 274D FROM PROPOSED SITE

STUDY COORDINATES: N 34-20-16.0; W 119-32-29.0(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								

KXLM 275 A FM 102.9 MHz LIC OXNARD CA US BLH-19920624KE
 90-416 34349 5.5 kW 34. m 102. m 87. m
 N 34 14 12.00 W 119 12 11.00 1019626 33.11 km 20.57 mi 109.79°
 LAZER LICENSES, LLC

Protected Contour Dist: 28.0 km Prop 274D Interf Contour Dist: 10.2 km
Result: -5.1 km SHORT (WORST-CASE STUDY); See Contour Non-overlap Showing

K275BO 275 D FX 102.9 MHz LIC LAS CRUCES CA US BLFT-20091109AAP
 - 72001 0.01 kW DA 900.7 m 1217. m 13. m
 N 34 31 32.00 W 119 57 32.00 - 43.66 km 27.13 mi 298.72°
 CALVARY CHAPEL OF TWIN FALLS, INC.

Protected Contour Dist: 17.9 km Prop 274D Interf Contour Dist: 10.2 km
Result: 15.6 km CLEAR (WORST-CASE STUDY)

KVYB 277 B FM 103.3 MHz LIC SANTA BARBARA CA US BLH-19990513KB
 - 8853 105. kW 905. m 1238. m 31. m
 N 34 31 29.00 W 119 57 32.00 - 43.62 km 27.10 mi 298.61°
 CUMULUS LICENSING LLC

Protected Contour Dist: 126.2 km Prop 274D Interf Contour Dist: <1.0 km
Result: -83.6 km SHORT (WORST-CASE STUDY)

NOTE: THE 94 DBU F50,10 INTERFERENCE CONTOUR OF THE PROPOSED 274D FM TRANSLATOR EXTENDS TO LESS THAN 1 KILOMETER AND DOES NOT REACH LAND; THEREFORE, THIS FACILITY IS ADEQUATELY PROTECTED.

Study Complete

FIGURE EE2

Summerland, CA 274D Contour Non-Overlap Showing to KXLM

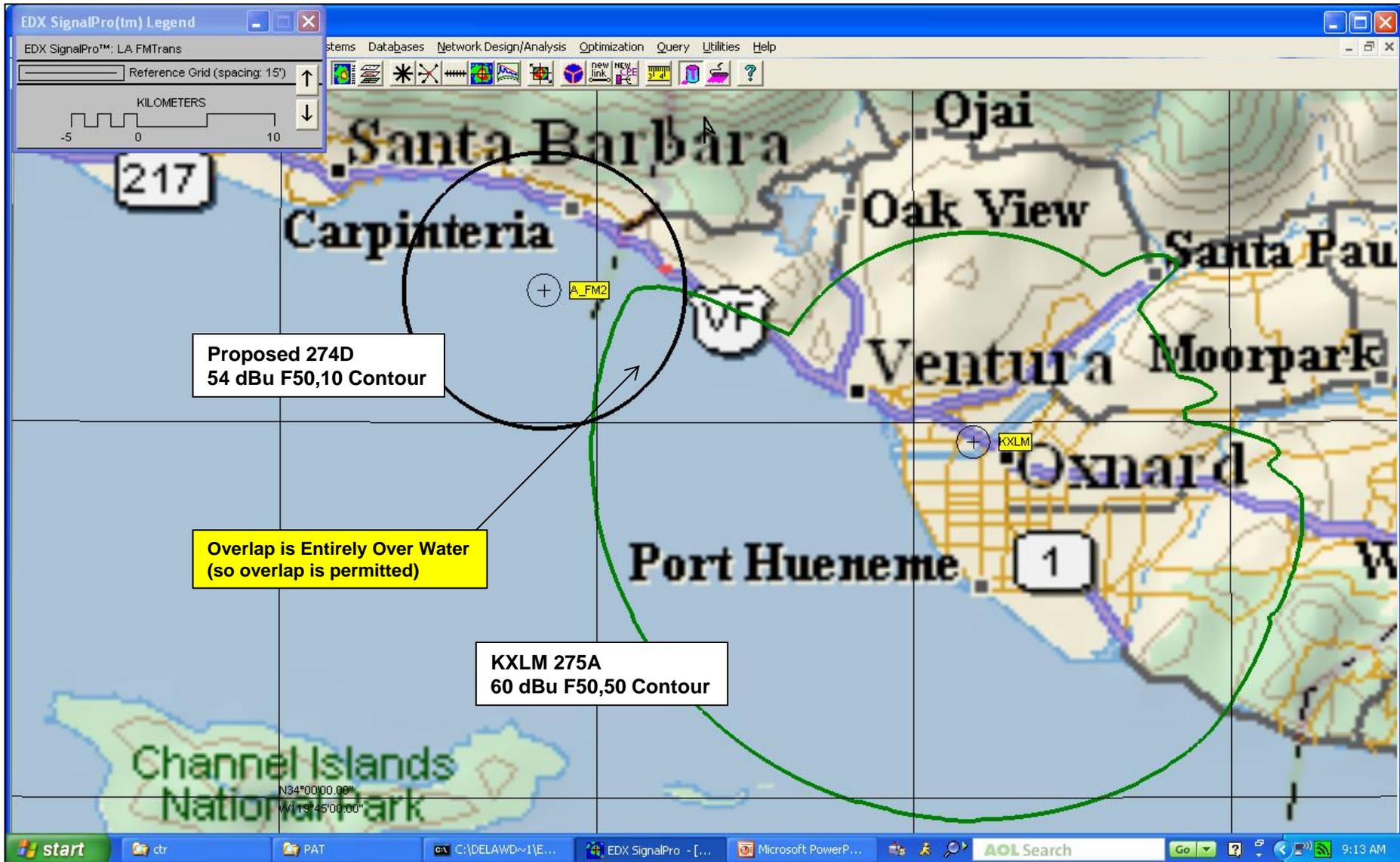


FIGURE EE2 (Magnified)
Summerland, CA 274D Contour Non-Overlap Showing to KXLM

