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ENGINEERING REPORT

Three Points, CA, Channel 251D 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 Three Points, CA. The pending application file number is BNPFT-20030317GLY.

This filing includes a slight coordinate correction and a change to a directional antenna necessitating a new LPFM Preclusion Study. All changes are deemed minor changes pursuant to Section 74.1233(a) of the FCC Rules.

LPFM Preclusion Study Results for the herein proposed facility are provided in the separate Exhibit 1 (Section 1, Question 5 of the FCC Form 349, as directed by the FCC).

FILL-IN MAP

Figure EEA, attached, is a map showing that the FM translator’s 54 dBu F50,50 contour is completely inside the 54 dBu F50,50 contour of KCAQ-FM.

CHANNEL STUDY

Attached as Figure EE1 is a channel study for the proposed channel 251D facility. All required protections are met by contour non-overlap pursuant to Section 74.1204, with the exception of protection to KYSR, Los Angeles, CA, 254B. KYSR is protected, as discussed below.

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 EE3, attached, show non-overlap between the service contours of KLAX-FM and KDAR and the interference contours of the proposed channel 251D 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. (Note that no contour overlap exists when alternatively use of a USGS 30 arc-second terrain database at one-degree radial intervals is used.)

PROTECTION TO KYSR

KYSR, Los Angeles, CA, 254B, is third adjacent-channel to the proposed channel 251D facility and is located only 64.8 kilometers (at 165 degrees True bearing) from the proposed 251D transmitter site. The 54 dBu F50,50 service contour extends beyond the 251D transmitter site. Using the well-established *Living Way Ministries* Methodology, no actual interference to any population is predicted to exist to KYSR.

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 this station.

The F50,50 signal strength from KYSR at the proposed 251D transmitter site is 63.0 dBu (the “desired” signal). The second/third adjacent-channel protection of Section 74.1204 is an undesired-to-desired (“U/D”) dB signal strength ratio of 40:1. Therefore, predicted interference to KYSR from the proposed 251D facility is a signal of greater than or equal to 103.0 dBu.

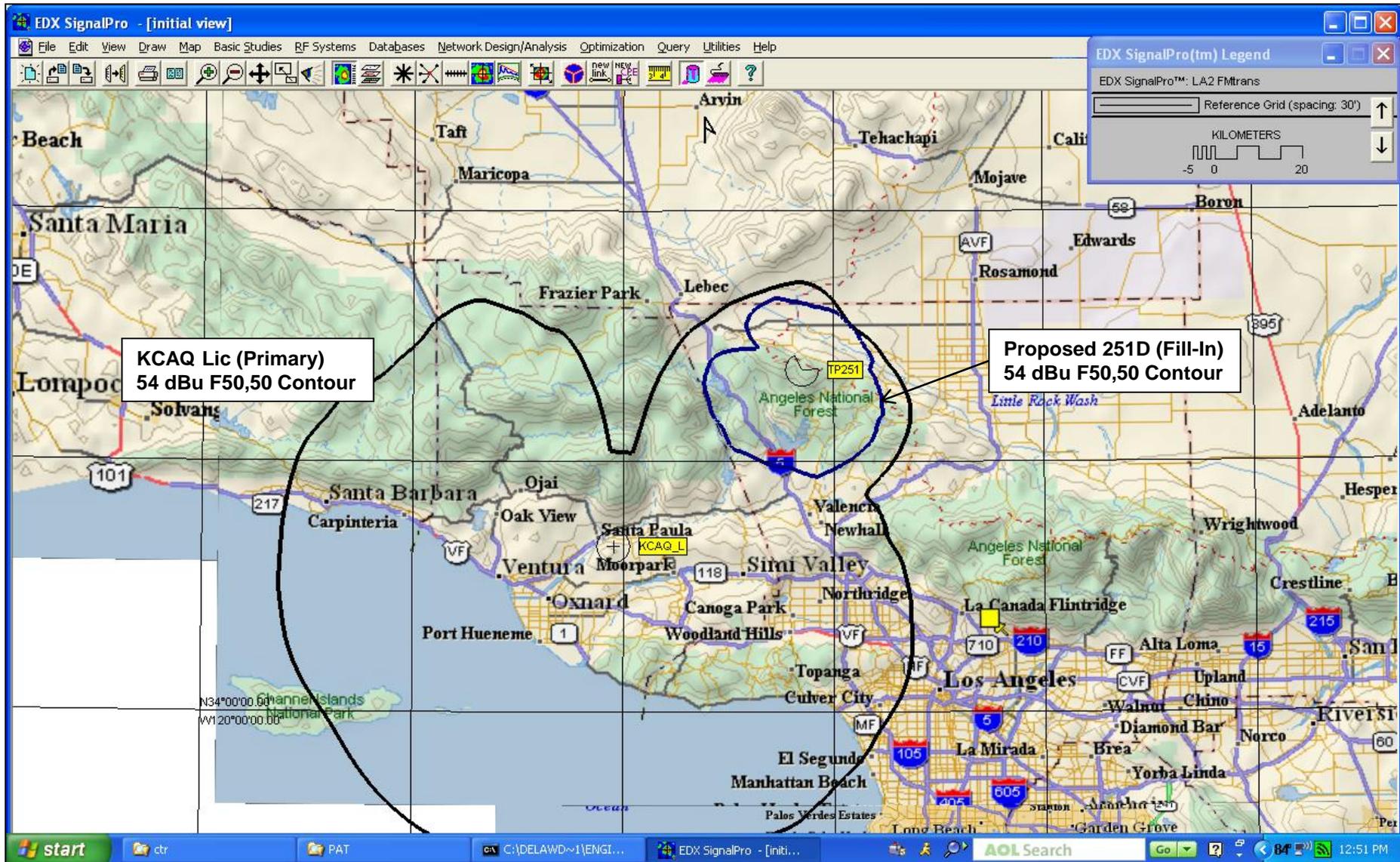
The 103.0 dBu signal based on a free space field determination is predicted to extend out to 137 meters from the proposed 251D transmitter site. As shown by the attached aerial photograph of the proposed site (Figure EE4) is a mountaintop communications site; and *there is no population located within the 103.0 dBu interfering contour distance of 137 meters*. Therefore, pursuant to Section 74.1204(d) of the FCC Rules, KYSR is adequately protected by the proposed facility.

AERIAL PHOTO

Figure EE4, attached, is an aerial photo of the proposed transmitter site. There are no homes or other residences located within 137 meters of the proposed site.

FIGURE EEA

Three Points, CA, 251D Contour Fill-In Map



SECTION 74.1204 CHANNEL STUDY

PROJECT: THREE POINTS,CA, 251D FROM PROPOSED SITE

STUDY COORDINATES: N 34-41-00.0; W 118-34-28.0(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								

KLAX-FM 250 B FM 97.9 MHz LIC EAST LOS ANGELES CA US BLH-19971231KC
 - 61638 33. kW DA 184. m 596. m 29. m
 N 34 9 49.00 W 118 11 44.00 - 67.36 km 41.85 mi 148.87°
 KLAX LICENSING, INC.

Protected Contour Dist: 87.2 km Prop 251D Interf Contour Dist: 38.0 km
Result: -57.8 km SHORT (WORSE-CASE STUDY); See Contour Non-overlap Showing

NEW 251 D FX 98.1 MHz APP THREE POINTS CA US BNPFT-20030317GLY
 - 156197 0.01 kW 0. m 1756. m 14. m
 N 34 41 0.00 W 118 34 31.00 - 0.08 km 0.05 mi 270.00°
 GOLD COAST BROADCASTING LLC

NOTE: THIS IS THE AUCTION 83 SHORT-FORM APPLICATION THAT IS BEING COVERED BY THIS LONG-FORM APPLICATION

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 78.89 km 49.02 mi 242.03°
 NEW INSPIRATION BROADCASTING COMPANY, INC.

Protected Contour Dist: 57.7 km Prop 251D Interf Contour Dist: 31.4 km
Result: -10.2 km SHORT (WORST-CASE STUDY); See Contour Non-overlap Showing

KFXM-LP 252 L1 FL 98.3 MHz CP LANCASTER CA US BPL-20130327ADA
 - 124198 0.1 kW 23. m 757. m 47.9 m
 N 34 49 39.00 W 118 10 13.00 1234356 40.31 km 25.05 mi 66.42°
 THE ORGANIZATION FOR THE PRESERVATION & CULTIVATION OF RADIO

Section 73.807 Requirement: 35 km 5.31 km CLEAR

KYSR 254 B FM 98.7 MHz LIC LOS ANGELES CA US BMLH-20090709ACO
 - 36019 75. kW 360. m 559. m 87. m
 N 34 7 8.00 W 118 23 30.00 1013828 64.83 km 40.28 mi 164.99°
 AMFM BROADCASTING LICENSES, LLC

NOTE: A SHOWING BASED ON THE LIVING WAY MINISTRIES METHODOLOGY TO THIS STATION IS INCLUDED WITH THIS APPLICATION THAT DEMONSTRATES PROTECTION TO THIS FACILITY.

Study Complete

FIGURE EE2

Three Points, CA 251D Contour Non-Overlap Showing to KLAX-FM

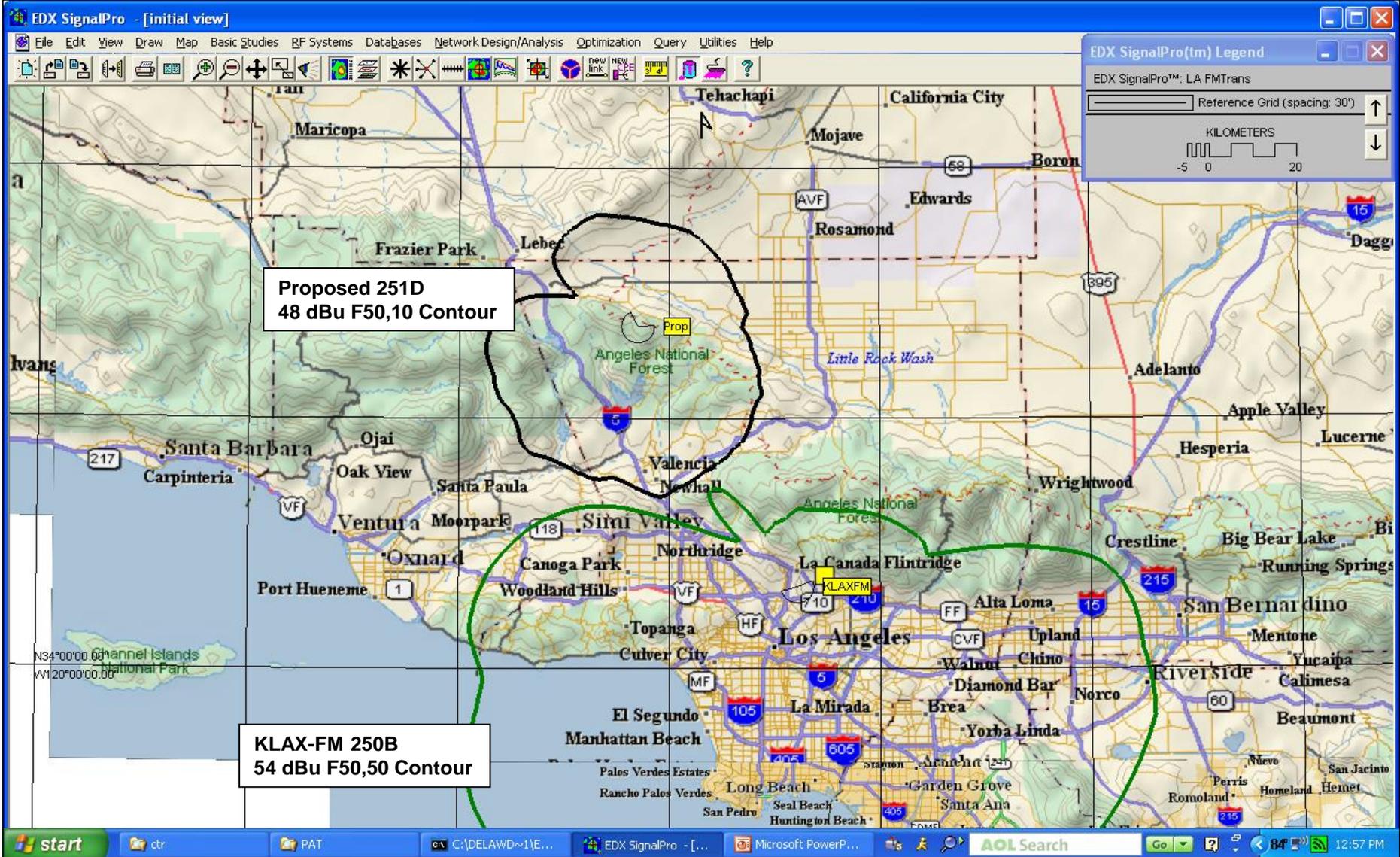


FIGURE EE3

Three Points, CA 251D Contour Non-Overlap Showing to KDAR

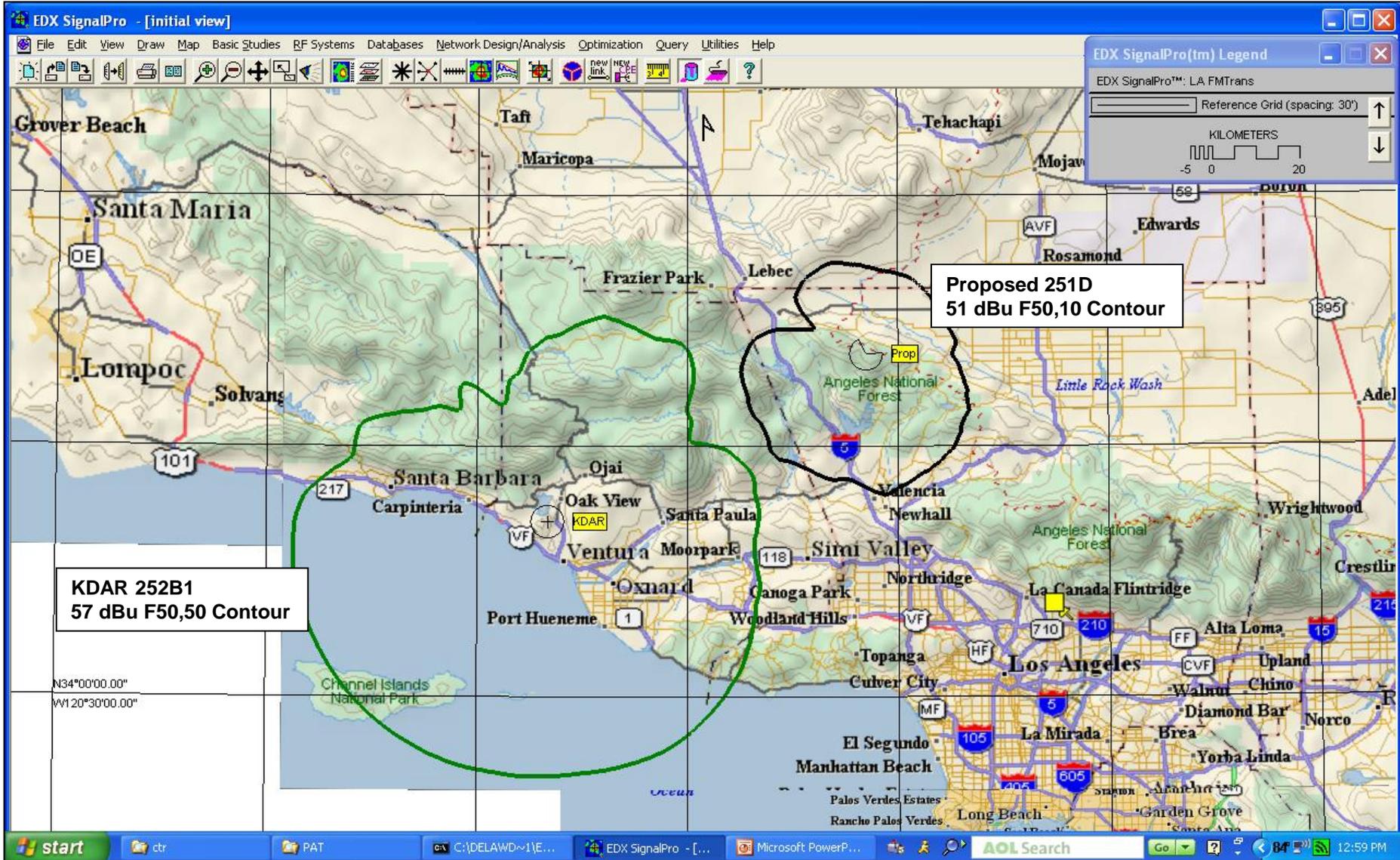


FIGURE EE4

