

ENGINEERING STATEMENT
APPLICATION FOR
DIGITAL TV TRANSLATOR
COMPANION CHANNEL
CONSTRUCTION PERMIT
K06LZ-D, SALINA, KANSAS
CHANNEL 47 15 KW ERP 441 METERS RC/AMSL

OCTOBER 2006

COHEN, DIPPELL AND EVERIST, P.C.
CONSULTING ENGINEERS
RADIO AND TELEVISION
WASHINGTON, D.C.

COHEN, DIPPELL AND EVERIST, P. C.


City of Washington)
) ss
District of Columbia)

Ryan Felmlee, being duly sworn upon his oath, deposes and states that:

He is a graduate electrical engineer of the Pennsylvania State University, has successfully completed the Engineer-In-Training examination ("EIT") in the State of Virginia, and is a staff engineer of Cohen, Dippell and Everist, P.C., Consulting Engineers, Radio - Television, with offices at 1300 L Street, N.W., Suite 1100, Washington, D.C. 20005;

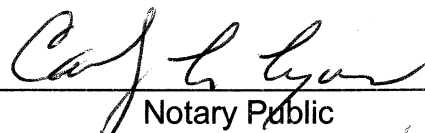
That the attached engineering report was prepared by him or under his supervision and direction and

That the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts he believes them to be true.



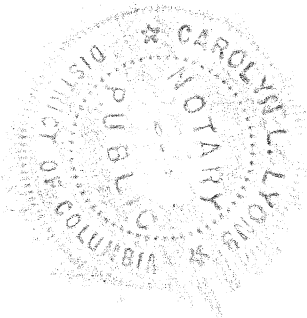
Ryan Felmlee
District of Columbia

Subscribed and sworn to before me this 6th day of October, 2006.



Notary Public

My Commission Expires: 2/28/2008



Introduction

This engineering statement has been prepared on behalf of Montecito Television License Corporation of Wichita, ("Montecito"), licensee of television translator station K06LZ, Salina, Kansas. This statement supports the licensee's request for a digital companion channel to be operated simultaneously with K06LZ's licensed channel 6 analog operation. Montecito filed an application (FCC File No. BSFDTL-20060630CVL) for a digital television translator companion channel during the Auction 85 filing window and the Commission has identified this application as not mutually exclusive with any other submitted proposal and is therefore deemed a "singleton". In accordance with the procedures outlined in the FCC Public Notice, dated August 31, 2006, Montecito hereby requests digital low power facilities on channel 47 with an effective radiated power ("ERP") of 15 kW at a radiation center above mean sea level ("RCAMSL") of 441 meters.

Transmitter Site

The proposed digital low power operation will utilize the existing K06LZ tower located in Salina, Kansas. The geographic coordinates of the existing site are as follows:

North Latitude: 38° 50' 29"

West Longitude: 97° 40' 03"

NAD-27

Elevation Data

Elevation of site above mean sea level	376 meters (1233.6 feet)
Center of radiation of antenna above ground level	65 meters (213.3 feet)

Center of radiation of antenna above mean sea level	441 meters (1446.9 feet)
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Overall tower height above ground level	76 meters (249.3 feet)
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The Antenna Structure Registration Number ("ASRN") for the existing tower is 1031281.

Equipment Data

Transmitter:	Type-approved
Transmission Line:	Dielectric, Type FLEXLine, 3-1/8", 68.6 meters (225 feet) with 83.7% efficiency
Antenna:	Dielectric, DL12 with maximum gain of 13.09 dB and 1.00° electrical beam tilt

Power Data

Transmitter:	0.879 kW	-0.56 dBk
Transmission Line Loss:	83.7%	0.77 dB
Input Into Antenna:	0.736 kW	-1.33 dBk
Antenna Gain:	20.4	13.09 dB
ERP:	15.0 kW	11.76 dBk

As indicated above, the transmitter with typical power output of 0.879 kW will deliver 0.736 kW to the input of the antenna. The antenna, having a maximum power gain of 20.4 and an electrical beam tilt of 1.00°, will produce a maximum ERP of 15 kW. A coverage map providing the protected contour of the proposed digital facility relative to the currently licensed analog operation of K06LZ has been included as Exhibit E-1 of this report.

Other Broadcast Facilities

A brief analysis was completed to determine the presence of stations in the vicinity of the K06LZ tower using the September 8, 2006, data contained within the Commission's Consolidated Database System ("CDBS"). Within 1km of the proposed site, there are no authorized FM radio stations, no DTV and NTSC television stations, and one low-power analog television or television translator station in addition to the licensed K06LZ operation. There are no AM facilities within 3.22 km of the existing tower. Although no adverse technical affects are expected due to the proposed changes, the licensee will take measures to resolve any problems proven to be related to the changes proposed in this application.

Interference Analysis

A study of predicted interference caused by the proposed channel 47 K06LZ low-power digital operation has been performed using the Longley-Rice program for which the source data has been posted by the Commission on its website at http://www.fcc.gov/oet/dtv/dtv_apps.html. The FCC's FORTRAN-77 code was modified only to the extent necessary (primarily input/output handling) for the program to run on a Microsoft Windows XP/Intel platform. Comparison of service/interference areas and population indicates this model closely matches the FCC's digital low-power TV/translator evaluation program. Best efforts have been made to use data and calculation identical to the FCC's program. The model employs the Longley-Rice propagation methodology and evaluates in grid cells of approximately 1 sq. km. Using 3-second terrain data sampled approximately every 1.0 km at one-degree azimuth intervals with 1990 census centroids, all studies are based upon data in the current CDBS database. A Longley-Rice study was performed with the proposed channel 47 K06LZ digital television translator facilities

and all potentially affected stations listed in the FCC database as of September 8, 2006. The results of the study are included as Exhibit E-2.

FCC Rule, Section 1.1307

The proposed 15 kW nondirectional operation will utilize a Dielectric, Type DL12 antenna (or equivalent) described above with a center of radiation above ground of 65 meters. The antenna will be side-mounted on an existing tower with an overall height of 76 meters above ground. The proposed digital operation of K06LZ will create a radio frequency field level of 1.3 $\mu\text{W}/\text{cm}^2$ at the base of the tower. This level is less than 0.3% of the Maximum Permissible Exposure (“MPE”) level for the general population and uncontrolled environment.

Authorized personnel and rigging contractors will be alerted to the potential zone of high radio frequency field levels on the tower, and if necessary, the station will operate with reduced power or terminate the operation of the transmitter as appropriate when it is necessary for authorized personnel or contractors to perform work on or near the tower. Workers and the general public, therefore, will not be subjected to RFF levels in excess of the current FCC guidelines.

Environmental Assessment

An environmental assessment (“EA”) is categorically excluded under Section 1.1306 of the FCC Rules and Regulations as the tower was constructed prior to the requirements specified in WT Docket No. 03-128 and the applicant indicates:

- (a)(1) The existing tower is not located in an officially designated wilderness area.
- (a)(2) The existing tower is not located in an officially designated wildlife preserve.

- (a)(3) The proposed facilities will not affect any listed threatened or endangered species or habitats.
- (a)(3)(ii) The proposed facilities will not jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats.
- (a)(4) The proposed facilities will be located on a tower which was built prior to the adoption of WT Docket No. 03-128 and will not affect any known districts, sites, buildings, structures, or objects significant in American history, architecture, archaeology, engineering, or culture.
- (a)(5) The existing tower is not located near any known Indian religious sites.
- (a)(6) The existing tower is not located in a flood plain.
- (a)(7) The installation of the DTV facilities on an existing tower will not involve a significant change in surface features of the ground in the vicinity of the tower.
- (a)(8) It is not proposed to equip the tower with high intensity white lights unless required by the FAA.
- (b) Workers and the general public will not be subjected to RFF levels in excess of the current FCC guidelines contained in OET Bulletin No. 65, Edition 97-01, dated August 1997 and Supplement A.

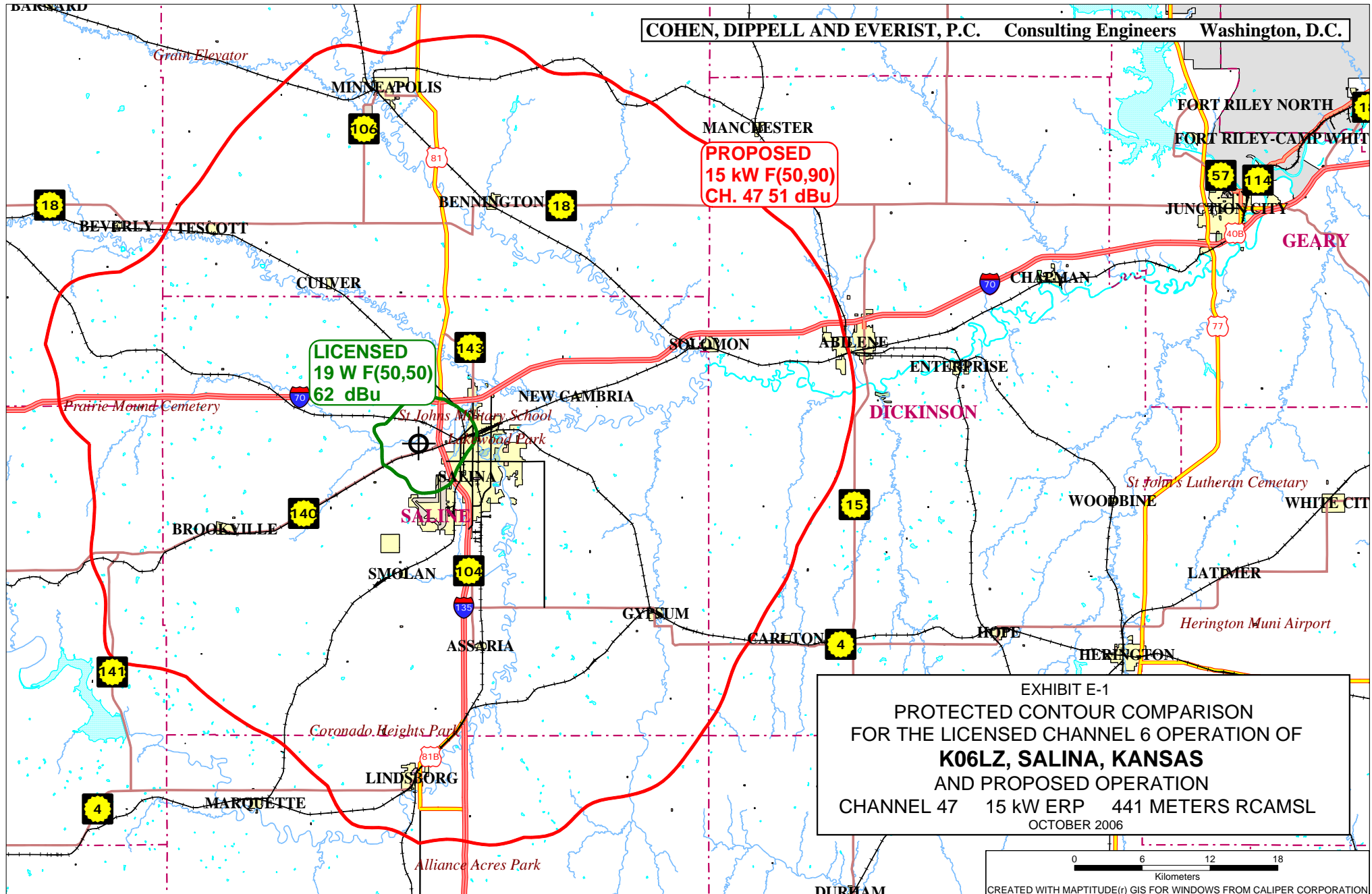


EXHIBIT E-2
LONGLEY-RICE ANALYSIS
FOR THE PROPOSED DIGITAL OPERATION OF
K06LZ, SALINA, KS
CH 47 15 KW ERP 441 METERS RC/AMSL
OCTOBER 2006

<u>Station</u>	<u>City</u>	<u>State</u>	<u>Channel</u>	<u>Distance</u> km	<u>Status</u>	<u>FCC File No.</u>	<u>Interference</u>
K32GH	FORT SMITH	AR	32	458.4	LIC	BLTTL -20040817AAO	Beyond Distance
K32AB	YUMA	CO	32	464.5	CP MOD	BMPTT -20011106AAG	Beyond Distance
K32AB	YUMA	CO	32	464.5	LIC	BLTT -20011114AAG	Beyond Distance
K32HB	MANHATTAN	KS	32	104.9	CP	BNPTTL-20000807ABR	Beyond Distance
NEW	TOPEKA	KS	32	131.4	APP	BNPTTL-20000831AQK	Beyond Distance
KSCW	WICHITA	KS	33	116.4	LIC	BLCT -20010717AAW	Beyond Distance
K40IJ	MANHATTAN	KS	40	104.9	CP	BNPTTL-20000807ABN	Beyond Distance
KFVT-LP	WICHITA	KS	40	127.2	LIC	BLTTL -20030512ADO	Beyond Distance
NEW	DERBY	KS	46	116.4	APP	BNPCDT-20060424ADF	No Interference
NEW	DERBY	KS	46	102.8	APP	BNPCT -19960722AAA	No Interference
K46HH	HAYS	KS	46	146.1	CP	BNPTT -20000831BTD	Beyond Distance
K31BW	MANHATTAN	KS	46	100.3	APP	BPTT -20000831BRN	No Interference
KTLJ-CA	OGDEN	KS	46	69.2	APP	BMJPTTL-20000829ATX	No Interference
KJPX-LP	JOPLIN	MO	47	349.4	LIC	BLTTL -20020304AAG	No Interference
KSMO-TV	KANSAS CITY	MO	47	277.6	CP MOD	BMPCDT-20010706AAE	0%
NEW	LINCOLN	NE	47	239	APP	BSFDTT-20060630BFQ	No Interference
NEW	OMAHA	NE	47	307.9	APP	BSFDTL-20060630BMN	No Interference
NEW	SEILING	OK	47	325.9	APP	BSFDTT-20060630ASU	No Interference
KWHB	TULSA	OK	47	359.4	LIC	BLCT -20050407AAG	No Interference
K47BP	BOOKER, ETC.	TX	47	357.2	LIC	BLTTL -19870127IP	No Interference
K48IU	DODGE CITY	KS	48	238	CP	BNPTTL-20000829APJ	Beyond Distance
KTKA-TV	TOPEKA	KS	48	152.7	CP MOD	BMPCDT-20060518ACS	No Interference
KTQW-CA	WICHITA	KS	49	131.5	LIC	BLTTA -20040621AAX	Beyond Distance
K51GC	SALINA	KS	51	0.1	LIC	BLTT -20030805AHW	No Interference
KSMI-LP	WICHITA	KS	51	130.7	LIC	BLTTL -20040430AGX	Beyond Distance