

ENGINEERING EXHIBIT

Application for Digital Television Station Construction Permit

prepared for

Sacramento Television Stations, Inc.

KOVR(DT) Stockton, CA

Facility ID 56550

Ch. 25 1000 kW 616 m

Sacramento Television Stations, Inc. (“STSI”) is the licensee of television station KOVR(DT), digital Channel 25, Stockton, CA. The licensed KOVR facility (BLCDT-20050516ANE) employs an effective radiated power (“ERP”) of 760 kW at 591 meters antenna height above average terrain (“HAAT”), with a nondirectional antenna. KOVR is presently operating pursuant to a Construction Permit (“CP” BMPCDT-20110721ABA) which authorizes an increase in ERP to 1000 kW with the licensed antenna. A license application (BLCDT-20110922ABJ) is pending to cover the 1000 kW CP BMPCDT-20110721ABA. *STSI* herein seeks a new CP to raise the antenna to 616 m HAAT at the licensed site while maintaining 1000 kW ERP.

The licensed KOVR Channel 25 antenna system is a Dielectric model TFU-22GBH-R O6, which will be raised to be centered 616.7 meters above ground level. The antenna will continue to be supported by the shared tower structure associated with FCC Antenna Structure Registration number 1011404. No change to the overall structure height will result from this proposal.

A map is supplied as Figure 1 which depicts the standard predicted coverage contours. This map includes the location of Stockton, KOVR’s principal community. As demonstrated thereon, the proposed facility complies with §73.625(a)(1), as the entire principal community will be encompassed by the 48 dB μ contour.

The proposed KOVR facility’s predicted service population provides a 101.9 percent match of the MB Docket 87-278 Seventh Report and Order Appendix B facility, as detailed in the following table.

Digital Television Population Summary		
Population Summary (2000 Census) OET Bulletin 69 method	Appendix B	Proposed
Within Noise Limited Contour	9,797,705	9,837,333
Not affected by terrain losses	6,543,768	6,643,387
Lost to all interference	538,544	522,613
Net DTV Service	6,005,224	6,120,774
Match of Appendix B	---	101.92%

The proposed facility expands the KOVR service contour beyond that established by Appendix B values. A detailed interference study per OET Bulletin 69¹ shows that the proposal complies with the 0.5 percent limit of new interference caused to pertinent nearby stations. The interference study output report is provided as Table 1. Protection requirements towards authorized Class A stations are also satisfied.

The proposed 1000 kW ERP exceeds the maximum allowed for the proposed antenna HAAT of 616 meters currently permitted by §73.622(f)(8)(i). Section 73.622(f)(5) permits the maximum ERP to be exceeded in order to provide the same geographic coverage area as the largest station within the same market. The total area within the proposed KOVR 41 dBμ contour is 46,479 square kilometers, which does not exceed the authorized coverage contour area of KXTV(DT) (49,221 sq. km, Ch. 10, Sacramento, CA, BMPCDT-20080620AMX) as shown in Figure 2. Thus, the 1000 kW ERP specified herein is in compliance with §73.622(f)(5) of the Commission’s Rules.

¹FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 (“OET-69”). The implementation of OET-69 for this study followed the guidelines of OET-69 as specified therein. A standard cell size of 2 km was employed. Comparisons of various results of this computer program (run on a Sun Sparc processor) to the Commission’s implementation of OET-69 show excellent correlation.

The nearest FCC monitoring station is 61 km distant at Livermore, CA. Using the FCC propagation curves, the proposed F(50,90) signal level at the monitoring station is 4.8 mV/m, which is below the 10 mV/m threshold of §73.1030(c) for further analysis. The site is not located within the areas requiring coordination with “quiet” zones specified in §73.1030(a) and (b). There are no AM stations within 3.2 kilometers of the site, based on information contained within the Commission’s database. The site location is beyond the border areas requiring international coordination.

Human Exposure to Radiofrequency Electromagnetic Field (Environmental)

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission’s OET Bulletin Number 65. Based on OET-65 equation (10), and considering 15 percent antenna relative field in downward elevations (pattern data shows less than 15 percent relative field at angles 10 to 90 degrees below the antenna), the calculated power density attributable to the proposed facility at locations near the transmitter site at a height of two meters above ground level is $2.0 \mu\text{W}/\text{cm}^2$, which is 0.55 percent of the “uncontrolled / general public” maximum permissible exposure limit. This is below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal’s contribution is less than five percent.

The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC’s guidelines. RF exposure warning signs will continue to be posted. With respect to worker safety, the applicant will coordinate exposure procedures with all pertinent stations and will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from RF electromagnetic field exposure in excess of FCC guidelines.

This exhibit is limited to the evaluation of exposure to RF electromagnetic field. The proposal involves increasing the elevation of a currently-installed transmitting antenna on an existing antenna support structure which was constructed prior to March 16, 2001. No change in structure height is proposed.

Certification

The undersigned hereby certifies that the foregoing statement and associated attachments were prepared by him or under his direction, and that they are true and correct to the best of his knowledge and belief.



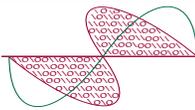
Joseph M. Davis, P.E.
September 30, 2011

Chesapeake RF Consultants, LLC
207 Old Dominion Road
Yorktown, VA 23692
703-650-9600

List of Attachments

Figure 1	Proposed Coverage Contours
Figure 2	Maximum ERP per §73.622(f)
Table 1	OET Bulletin 69 Interference Study
Form 301	Saved Version of Engineering Sections from FCC Form at Time of Upload

This material was entered September 30, 2011 for filing electronically. Since the FCC's electronic filing system may be accessed by anyone with the applicant's account number and password, and electronic data may otherwise be altered in an unauthorized fashion, we cannot be responsible for changes made subsequent to our entry of this data and related attachments.

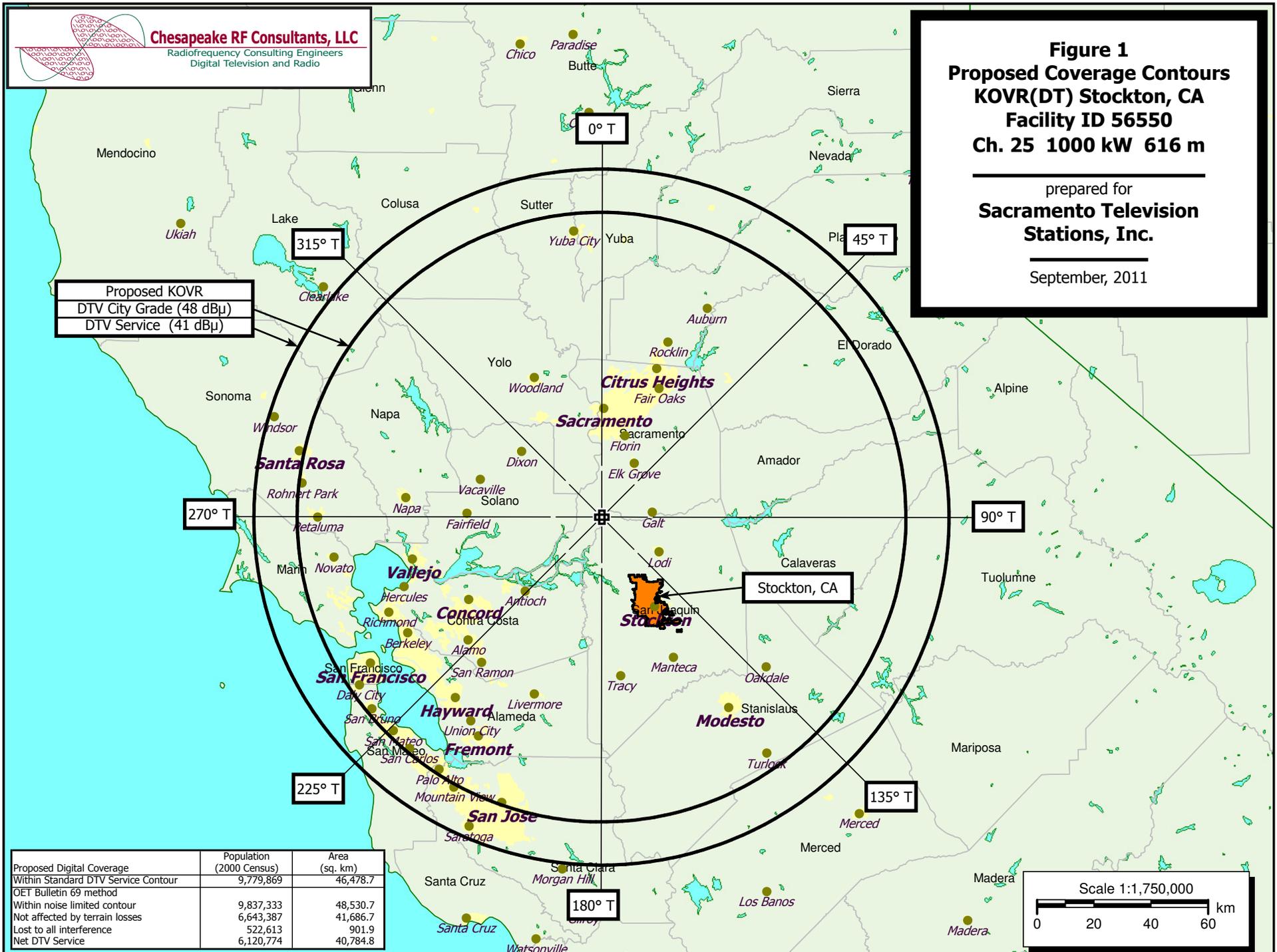


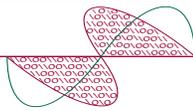
Chesapeake RF Consultants, LLC
 Radiofrequency Consulting Engineers
 Digital Television and Radio

Figure 1
Proposed Coverage Contours
KOVR(DT) Stockton, CA
Facility ID 56550
Ch. 25 1000 kW 616 m

prepared for
Sacramento Television
Stations, Inc.

September, 2011



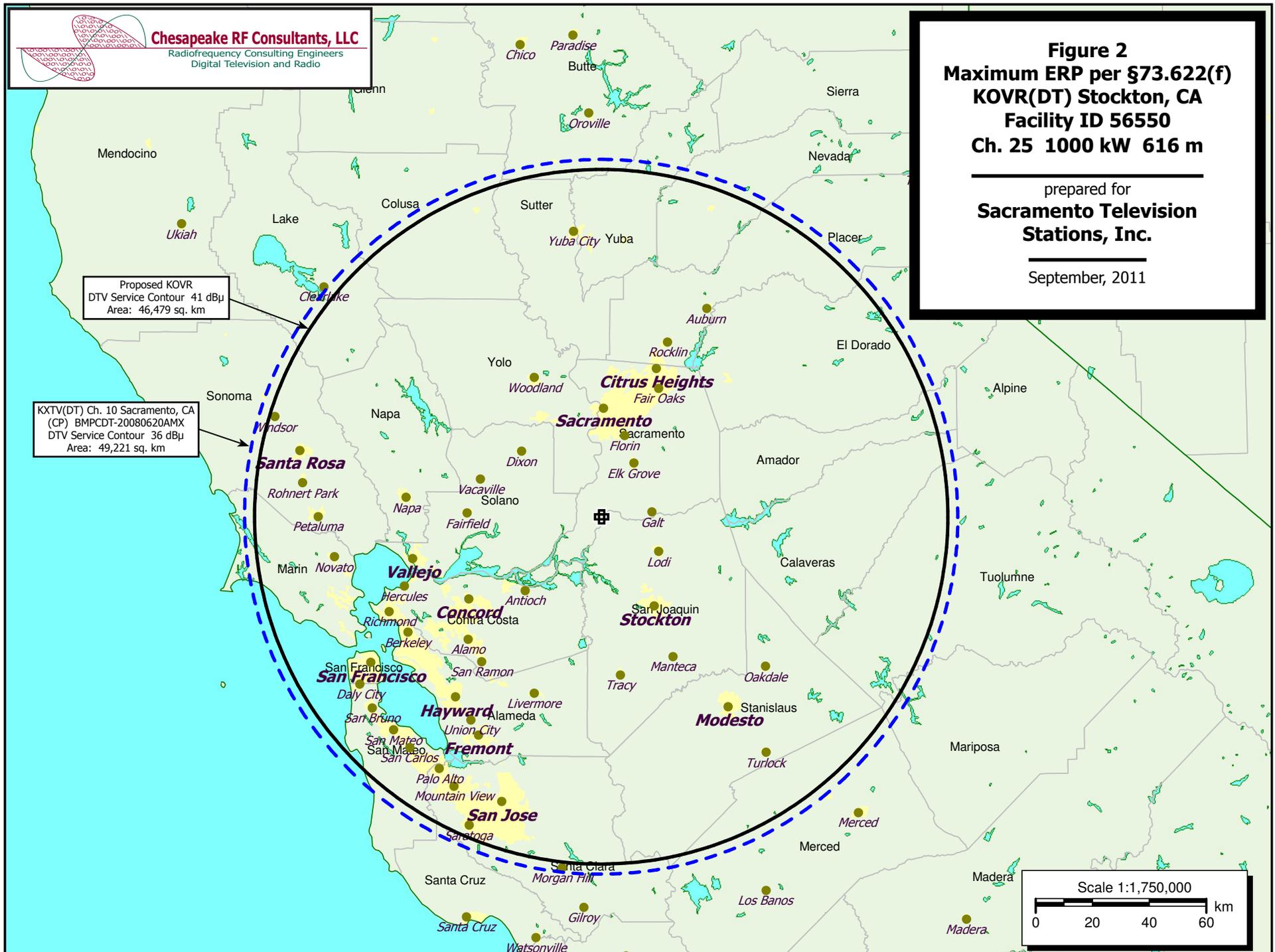


Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Figure 2
Maximum ERP per §73.622(f)
KOVR(DT) Stockton, CA
Facility ID 56550
Ch. 25 1000 kW 616 m

prepared for
Sacramento Television Stations, Inc.

September, 2011



Proposed KOVR
DTV Service Contour 41 dBμ
Area: 46,479 sq. km

KXTV(DT) Ch. 10 Sacramento, CA
(CP) BMPCDT-20080620AMX
DTV Service Contour 36 dBμ
Area: 49,221 sq. km

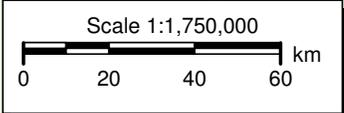


Table 1 KOVR(DT) OET Bulletin 69 Interference Study
(worst-case scenarios shown page 1 of 8)

TW Census data selected 2000
Post Transition Data Base Selected /space/software/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 09-28-2011 Time: 11:03:07

Record Selected for Analysis

KOVR USERRECORD-01 STOCKTON CA US
Channel 25 ERP 1000. kW HAAT 616. m RCAMSL 00617 m
Latitude 038-14-24 Longitude 0121-30-03
Status APP Zone 2 Border Site number: 01
Last update Cutoff date Docket

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) does not meet maximum height/power limits
Channel 25 ERP = 1000.00 HAAT = 616.

Site number	1		
Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	1000.000	616.7	121.5
45.0	1000.000	612.9	121.3
90.0	1000.000	613.3	121.3
135.0	1000.000	615.5	121.5
180.0	1000.000	617.7	121.6
225.0	1000.000	617.6	121.6
270.0	1000.000	617.2	121.5
315.0	1000.000	616.6	121.5

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
to Class A stations from site # 01

Class A Evaluation Complete

Checks to Site Number 01

Proposed facility is 61.4km from FCC Monitoring station at
Livermore CA
Bearing: 201.2 degrees ERP: 1000.00 kW HAAT: 618.2 m
Field = 11.8 mV/m

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Table 1 KOVR(DT) OET Bulletin 69 Interference Study
(worst-case scenarios shown page 2 of 8)

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
25	KOVR	STOCKTON CA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	KEZT-CA	SACRAMENTO CA	36.3	LIC	BLTTL	19970918JA
25	KGET-TV	BAKERSFIELD CA	396.6	LIC	BLCDDT	20030701BOK
25	KQET	WATSONVILLE CA	164.9	LIC	BLEDT	20090624ABV
26	KTFK-DT	STOCKTON CA	0.0	CP MOD	BMPCDT	20080616ACI
26	KTFK-DT	STOCKTON CA	0.0	LIC	BLCDDT	20090618AAD
26	KREN-TV	RENO NV	184.1	LIC	BLCDDT	20090227AAM
27	KEXT-CA	MODESTO CA	85.5	LIC	BLTTA	20030123ACJ
33	KDJT-CA	SALINAS-MONTEREY, ET CA	135.3	LIC	BLTTL	19931014JE

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	KEZT-CA	SACRAMENTO CA	BLTTL	-19970918JA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KBSV	CERES CA	118.0	LIC	BLEDT	-20090213AAZ
19	KOFY-TV	SAN FRANCISCO CA	123.9	LIC	BLCDDT	-20091102AAU
21	KMAX-TV	SACRAMENTO CA	33.5	LIC	BLCDDT	-20041018ABT
21	KMAX-TV	SACRAMENTO CA	36.3	CP	BPCDDT	-20080620ABK
22	K22FR	SACRAMENTO CA	17.4	LIC	BLTT	-20061204ADU
23	KRCB	COTATI CA	98.6	CP	BPEDT	-20080617AEI
23	KRCB	COTATI CA	98.6	LIC	BLEDT	-20081107ACJ
23	KMUV-LP	MONTEREY CA	201.2	LIC	BLTTL	-20070402KPQ
23	K23DT-D	TAHOE CITY CA	160.9	LIC	BLDTT	-20090925ABY
24	KRJR-LP	SACRAMENTO CA	33.5	CP	BDISDTL	-20110126ADX
25	KOVR	STOCKTON CA	36.3	PLN	DTVPLN	-DTV0900
26	KTFK-DT	STOCKTON CA	36.3	CP MOD	BMPCDT	-20080616ACI
26	KTFK-DT	STOCKTON CA	36.3	LIC	BLCDDT	-20090618AAD
27	KTSF	SAN FRANCISCO CA	128.6	LIC	BLCDDT	-20050131AOD
27	KTSF	SAN FRANCISCO CA	128.6	CP	BPCDDT	-20080620ALV
30	KQED	SAN FRANCISCO CA	123.9	LIC	BLEDT	-20100216ACU
38	KRON-TV	SAN FRANCISCO CA	123.9	LIC	BLCDDT	-20091110AAH
25	KOVR	STOCKTON CA	36.3	APP	USERRECORD-01	

Proposal causes no interference

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	KGET-TV	BAKERSFIELD CA	BLCDDT	-20030701BOK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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Table 1 KOVR(DT) OET Bulletin 69 Interference Study
(worst-case scenarios shown page 3 of 8)

24	KBEH	OXNARD CA	149.5	LIC	BLCDDT	-20091119ACV
24	KBEH	OXNARD CA	125.8	APP	BPCDDT	-20091119ACZ
24	KBEH	OXNARD CA	149.5	APP	BPCDDT	-20091119ACZ
25	KOVR	STOCKTON CA	396.6	PLN	DTVPLN	-DTVPO900
25	KQET	WATSONVILLE CA	288.1	LIC	BLEDDT	-20090624ABV
26	KVCR-DT	SAN BERNARDINO CA	210.8	LIC	BLEDDT	-20070904AIC
25	KOVR	STOCKTON CA	396.6	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	KQET	WATSONVILLE CA	BLEDDT	-20090624ABV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
25	KGET-TV	BAKERSFIELD CA	288.1	LIC	BLCDDT	-20030701BOK
25	KOVR	STOCKTON CA	164.9	PLN	DTVPLN	-DTVPO900
26	KTFK-DT	STOCKTON CA	164.9	CP MOD	BMPDDT	-20080616ACI
26	KTFK-DT	STOCKTON CA	164.9	LIC	BLCDDT	-20090618AAD
25	KOVR	STOCKTON CA	164.9	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 3
Before Analysis

Results for: 25A CA WATSONVILLE		BLEDDT	20090624ABV	LIC
HAAT 699.0 m, ATV ERP 81.1 kW				
	POPULATION	AREA (sq km)		
within Noise Limited Contour	2839141	24248.5		
not affected by terrain losses	2057231	17697.8		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	191717	345.8		
lost to ATV IX only	191717	345.8		
lost to all IX	191717	345.8		

Potential Interfering Stations Included in above Scenario 1

25A CA BAKERSFIELD	BLCDDT	20030701BOK	LIC
26A CA STOCKTON	BMPDDT	20080616ACI	CP
25A CA STOCKTON	DTVPLN	DTVPO900	PLN

After Analysis

Results for: 25A CA WATSONVILLE		BLEDDT	20090624ABV	LIC
HAAT 699.0 m, ATV ERP 81.1 kW				
	POPULATION	AREA (sq km)		
within Noise Limited Contour	2839141	24248.5		
not affected by terrain losses	2057231	17697.8		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	193612	357.9		
lost to ATV IX only	193612	357.9		
lost to all IX	193612	357.9		

Potential Interfering Stations Included in above Scenario 1

Table 1 KOVR(DT) OET Bulletin 69 Interference Study
(worst-case scenarios shown page 4 of 8)

25A CA BAKERSFIELD	BLCDDT	20030701BOK	LIC
26A CA STOCKTON	BMPDDT	20080616ACI	CP
25A CA STOCKTON	USERRECORD01		APP

Percent new IX = 0.1016%

Worst case new IX 0.1016% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
26	KTFK-DT	STOCKTON CA	BMPDDT	-20080616ACI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
25	KOVR	STOCKTON CA	0.0	PLN	DTVPLN	-DTVPO900
25	KQET	WATSONVILLE CA	164.9	LIC	BLEDDT	-20090624ABV
26	KREN-TV	RENO NV	184.1	LIC	BLCDDT	-20090227AAM
27	KTSF	SAN FRANCISCO CA	102.3	LIC	BLCDDT	-20050131AOD
27	KTSF	SAN FRANCISCO CA	102.3	CP	BPCDDT	-20080620ALV
25	KOVR	STOCKTON CA	0.0	APP	USERRECORD-01	

Total scenarios = 2

Result key: 3
Scenario 1 Affected station 4
Before Analysis

Results for: 26A CA STOCKTON		BMPDDT	20080616ACI	CP
HAAT 595.0 m, ATV ERP 850.0 kW				
	POPULATION	AREA (sq km)		
within Noise Limited Contour	6173658	35444.6		
not affected by terrain losses	4524316	31649.0		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	266641	1041.8		
lost to ATV IX only	266641	1041.8		
lost to all IX	266641	1041.8		

Potential Interfering Stations Included in above Scenario 1

26A NV RENO	BLCDDT	20090227AAM	LIC
27A CA SAN FRANCISCO	BLCDDT	20050131AOD	LIC

After Analysis

Results for: 26A CA STOCKTON		BMPDDT	20080616ACI	CP
HAAT 595.0 m, ATV ERP 850.0 kW				
	POPULATION	AREA (sq km)		
within Noise Limited Contour	6173658	35444.6		
not affected by terrain losses	4524316	31649.0		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	282693	1098.3		
lost to ATV IX only	282693	1098.3		
lost to all IX	282693	1098.3		

Potential Interfering Stations Included in above Scenario 1

26A NV RENO	BLCDDT	20090227AAM	LIC
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Table 1 KOVR(DT) OET Bulletin 69 Interference Study
(worst-case scenarios shown page 5 of 8)

27A CA SAN FRANCISCO BLCDT 20050131AOD LIC
25A CA STOCKTON USERRECORD01 APP

Percent new IX = 0.3770%

Worst case new IX 0.3770% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel Call City/State Application Ref. No.
26 KTFK-DT STOCKTON CA BLCDT -20090618AAD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
25	KOVR	STOCKTON CA	0.0	PLN	DTVPLN -DTVPO900
25	KQET	WATSONVILLE CA	164.9	LIC	BLEDT -20090624ABV
26	KREN-TV	RENO NV	184.1	LIC	BLCDT -20090227AAM
27	KTSF	SAN FRANCISCO CA	102.3	LIC	BLCDT -20050131AOD
27	KTSF	SAN FRANCISCO CA	102.3	CP	BPCDT -20080620ALV
25	KOVR	STOCKTON CA	0.0	APP	USERRECORD-01

Total scenarios = 2

Result key: 5
Scenario 1 Affected station 5
Before Analysis

Results for: 26A CA STOCKTON BLCDT 20090618AAD LIC

HAAT	595.0 m, ATV ERP	430.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	5717121	31617.4		
not affected by terrain losses	4346285	28629.3		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	208314	835.9		
lost to ATV IX only	208314	835.9		
lost to all IX	208314	835.9		

Potential Interfering Stations Included in above Scenario 1

26A NV RENO BLCDT 20090227AAM LIC
27A CA SAN FRANCISCO BLCDT 20050131AOD LIC

After Analysis

Results for: 26A CA STOCKTON BLCDT 20090618AAD LIC

HAAT	595.0 m, ATV ERP	430.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	5717121	31617.4		
not affected by terrain losses	4346285	28629.3		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	217496	872.2		
lost to ATV IX only	217496	872.2		
lost to all IX	217496	872.2		

Potential Interfering Stations Included in above Scenario 1

26A NV RENO BLCDT 20090227AAM LIC
27A CA SAN FRANCISCO BLCDT 20050131AOD LIC

Table 1 KOVR(DT) OET Bulletin 69 Interference Study
(worst-case scenarios shown page 6 of 8)

25A CA STOCKTON USERRECORD01 APP

Percent new IX = 0.2219%

Worst case new IX 0.2219% Scenario 1

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel Call City/State Application Ref. No.
26 KREN-TV RENO NV BLCDT -20090227AAM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
25	KOVR	STOCKTON CA	184.1	PLN	DTVPLN -DTVPO900
26	KTFK-DT	STOCKTON CA	184.1	CP MOD	BMPCDT -20080616ACI
26	KTFK-DT	STOCKTON CA	184.1	LIC	BLCDT -20090618AAD
26	KMVU-DT	MEDFORD OR	410.1	LIC	BLCDT -20090527ABF
25	KOVR	STOCKTON CA	184.1	APP	USERRECORD-01

Total scenarios = 2

Result key: 7
Scenario 1 Affected station 6
Before Analysis

Results for: 26A NV RENO BLCDT 20090227AAM LIC

HAAT	896.0 m, ATV ERP	1000.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	692924	49286.5		
not affected by terrain losses	583889	36931.6		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	2845	390.7		
lost to ATV IX only	2845	390.7		
lost to all IX	2845	390.7		

Potential Interfering Stations Included in above Scenario 1

26A CA STOCKTON BMPCDT 20080616ACI CP
25A CA STOCKTON DTVPLN DTVPO900 PLN

After Analysis

Results for: 26A NV RENO BLCDT 20090227AAM LIC

HAAT	896.0 m, ATV ERP	1000.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	692924	49286.5		
not affected by terrain losses	583889	36931.6		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	2845	390.7		
lost to ATV IX only	2845	390.7		
lost to all IX	2845	390.7		

Potential Interfering Stations Included in above Scenario 1

26A CA STOCKTON BMPCDT 20080616ACI CP
25A CA STOCKTON USERRECORD01 APP

Percent new IX = 0.0000%

Table 1 KOVR(DT) OET Bulletin 69 Interference Study
(worst-case scenarios shown page 7 of 8)

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
27	KEXT-CA	MODESTO CA	BLTTA -20030123ACJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
19	KOFY-TV	SAN FRANCISCO CA	101.7	LIC	BLCDDT -20091102AAU
23	KRCB	COTATI CA	144.5	CP	BPEDT -20080617AEI
23	KRCB	COTATI CA	144.5	LIC	BLEDDT -20081107ACJ
25	KOVR	STOCKTON CA	85.5	PLN	DTVPLN -DTVPO900
25	KQET	WATSONVILLE CA	81.5	LIC	BLEDDT -20090624ABV
26	KTFK-DT	STOCKTON CA	85.5	CP MOD	BMPCDT -20080616ACI
26	KTFK-DT	STOCKTON CA	85.5	LIC	BLCDDT -20090618AAD
27	KJKZ-LP	FRESNO CA	200.6	LIC	BLTTL -20070130AAY
27	KJKZ-LP	FRESNO CA	200.6	CP	BDFCDTL -20090220ADZ
27	K27GZ	MARIPOSA CA	117.0	LIC	BLTT -20020221AAJ
27	KYMB-LD	MONTEREY CA	110.2	LIC	BLDTT -20090423AAX
27	KUCO-LP	RED BLUFF CA	277.7	STA	BSTA -20030417ACD
27	KBTV-CD	SACRAMENTO CA	121.3	APP	BDISDTA -20110826ADP
27	KTSF	SAN FRANCISCO CA	98.2	LIC	BLCDDT -20050131AOD
27	KTSF	SAN FRANCISCO CA	98.2	CP	BPCDDT -20080620ALV
27	KEYT-TV	SANTA BARBARA CA	351.4	LIC	BLCDDT -20061102ABJ
27	K10QS-D	INCLINE VILLAGE NV	240.3	APP	BDISDTL -20110329AAJ
27	NEW	RENO NV	240.3	APP	BNPDTL -20090825BTW
28	NEW	NEWMAN CA	29.5	APP	BNPDTL -20100513ADV
28	KMMW-LD	STOCKTON CA	89.9	LIC	BLDTL -20090518ADI
29	KPIX-TV	SAN FRANCISCO CA	101.7	LIC	BLCDDT -20091112AIZ
30	KQED	SAN FRANCISCO CA	101.7	LIC	BLCDDT -20100216ACU
31	KSMS-TV	MONTEREY CA	81.5	CP	BPCDDT -20081215ACX
31	KSMS-TV	MONTEREY CA	81.5	LIC	BLCDDT -20071120AEA
34	KFSF-DT	VALLEJO CA	101.7	LIC	BLCDDT -20100513ABB
35	KCRA-TV	SACRAMENTO CA	88.1	LIC	BLCDDT -20090915ACY
41	KKPX-TV	SAN JOSE CA	98.1	LIC	BLCDDT -20021108ABD
42	KAXT-CD	SANTA CLARA - SAN JO CA	46.0	APP	BDISTTA -20090629ADB
25	KOVR	STOCKTON CA	85.5	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	KDJT-CA	SALINAS-MONTEREY, ET CA	BLTTL -19931014JE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
25	KOVR	STOCKTON CA	135.3	PLN	DTVPLN -DTVPO900
25	KQET	WATSONVILLE CA	38.9	LIC	BLEDDT -20090624ABV
26	KTFK-DT	STOCKTON CA	135.3	CP MOD	BMPCDT -20080616ACI
26	KTFK-DT	STOCKTON CA	135.3	LIC	BLCDDT -20090618AAD
29	KPIX-TV	SAN FRANCISCO CA	100.3	LIC	BLCDDT -20091112AIZ
30	KQED	SAN FRANCISCO CA	100.3	LIC	BLEDDT -20100216ACU

Table 1 KOVR(DT) OET Bulletin 69 Interference Study
(worst-case scenarios shown page 8 of 8)

31	KSMS-TV	MONTEREY CA	38.9	CP	BPCDDT	-20081215ACX
31	KSMS-TV	MONTEREY CA	38.9	LIC	BLCDDT	-20071120AEA
32	KION-TV	MONTEREY CA	57.5	LIC	BLCDDT	-20030604ACO
33	KBAK-TV	BAKERSFIELD CA	334.2	LIC	BLCDDT	-20060628ABK
33	NEW	GUSTINE CA	62.9	APP	BNPDTL	-20100513ADO
33	KMTP-TV	SAN FRANCISCO CA	100.3	LIC	BLEDDT	-20100216ABJ
34	K34LR-D	SALINAS CA	57.0	CP	BNPDTL	-20100329AFS
34	KFSF-DT	VALLEJO CA	100.3	LIC	BLCDDT	-20100513ABB
35	KCRA-TV	SACRAMENTO CA	138.2	LIC	BLCDDT	-20090915ACY
36	KICU-TV	SAN JOSE CA	50.7	CP MOD	BMPCDT	-20080619AIP
36	KICU-TV	SAN JOSE CA	50.7	LIC	BLCDDT	-20090709ALH
40	KTXL	SACRAMENTO CA	138.7	CP MOD	BMPCDT	-20080620ADJ
40	KTXL	SACRAMENTO CA	138.7	LIC	BLCDDT	-20090918ABS
41	KKPX-TV	SAN JOSE CA	93.5	LIC	BLCDDT	-20021108ABD
47	KTLN-TV	NOVATO CA	143.6	LIC	BLCDDT	-20080228ACB
48	KSPX-TV	SACRAMENTO CA	138.2	LIC	BLCDDT	-20050110ABB
48	KAXT-CD	SANTA CLARA - SAN JO CA	52.0	APP	BDISTTA	-20090702ACJ
25	KOVR	STOCKTON CA	135.3	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
25	KOVR	STOCKTON CA	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
25	KGET-TV	BAKERSFIELD CA	396.6	LIC	BLCDDT -20030701BOK
25	KQET	WATSONVILLE CA	164.9	LIC	BLEDDT -20090624ABV
26	KTFK-DT	STOCKTON CA	0.0	CP MOD	BMPCDT -20080616ACI
26	KTFK-DT	STOCKTON CA	0.0	LIC	BLCDDT -20090618AAD
26	KREN-TV	RENO NV	184.1	LIC	BLCDDT -20090227AAM

Total scenarios = 1

Result key: 9
Scenario 1 Affected station 9
Before Analysis

Results for: 25A CA STOCKTON USERRECORD01 APP

HAAT	POPULATION	AREA (sq km)
616.0 m, ATV ERP 1000.0 kW	9837333	48530.7
within Noise Limited Contour	6643387	41686.7
not affected by terrain losses	0	0.0
lost to NTSC IX	522613	901.9
lost to additional IX by ATV	522613	901.9
lost to ATV IX only	522613	901.9
lost to all IX		

Potential Interfering Stations Included in above Scenario 1

25A CA WATSONVILLE BLEDDT 20090624ABV LIC

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

SECTION III-D - DTV Engineering	
Complete Questions 1-5, and provide all data and information for the proposed facility, as requested in Technical Specifications, Items 1-13.	
<p>Pre-Transition Certification Checklist: An application concerning a pre-transition channel must complete questions 1(a)-(c), and 2-5. A correct answer of "Yes" to all of the questions will ensure an expeditious grant of a construction permit application to change pre-transition facilities. However, if the proposed facility is located within the Canadian or Mexican borders, coordination of the proposal under the appropriate treaties may be required prior to grant of the application. An answer of "No" will require additional evaluation of the applicable information in this form before a construction permit can be granted.</p> <p>Post-Transition Expedited Processing. An application concerning a post-transition channel must complete questions 1(a), (d)-(e), and 2-5. A station applying for a construction permit to build its post-transition channel will receive expedited processing if its application (1) does not seek to expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B"); (2) specifies facilities that match or closely approximate those defined in the new DTV Table Appendix B facilities; and (3) is filed within 45 days of the effective date of Section 73.616 of the rules adopted in the Report and Order in the Third DTV Periodic Review proceeding, MB Docket No. 07-91.</p>	
1. The proposed DTV facility complies with 47 C.F.R. Section 73.622 in the following respects:	
(a) It will operate on the DTV channel for this station as established in 47 C.F.R. Section 73.622.	<input checked="" type="radio"/> Yes <input type="radio"/> No
(b) It will operate a pre-transition facility from a transmitting antenna located within 5.0 km (3.1 miles) of the DTV reference site for this station as established in 47 C.F.R. Section 73.622.	<input type="radio"/> Yes <input type="radio"/> No
(c) It will operate a pre-transition facility with an effective radiated power (ERP) and antenna height above average terrain (HAAT) that do not exceed the DTV reference ERP and HAAT for this station as established in 47 C.F.R. Section 73.622.	<input type="radio"/> Yes <input type="radio"/> No
(d) It will operate at post-transition facilities that do not expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B").	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
(e) It will operate at post-transition facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the new DTV Table Appendix B.	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
2. The proposed facility will not have a significant environmental impact, including exposure of workers or the general public to levels of RF radiation exceeding the applicable health and safety guidelines, and therefore will not come within 47 C.F.R. Section 1.1307. Applicant must submit the Exhibit called for in Item 13.	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. Pursuant to 47 C.F.R. Section 73.625, the DTV coverage contour of the proposed facility will encompass the allotted principal community.	<input checked="" type="radio"/> Yes <input type="radio"/> No
4. The requirements of 47 C.F.R. Section 73.1030 regarding notification to radio astronomy installations, radio receiving installations and FCC monitoring stations have either been satisfied or are not applicable.	<input checked="" type="radio"/> Yes <input type="radio"/> No
5. The antenna structure to be used by this facility has been registered by the Commission and will not require registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely effect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.	<input checked="" type="radio"/> Yes <input type="radio"/> No

SECTION III-D - DTV Engineering	
TECHNICAL SPECIFICATIONS	
Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.	
TECH BOX	
1. Channel Number:	DTV 25 Analog TV, if any
2. Zone:	<input type="radio"/> I <input checked="" type="radio"/> II <input type="radio"/> III
3. Antenna Location Coordinates: (NAD 27)	Latitude: Degrees 38 Minutes 14 Seconds 24 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 121 Minutes 30 Seconds 3 <input checked="" type="radio"/> West <input type="radio"/> East
4. Antenna Structure Registration Number: 1011404	<input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
5. Antenna Location Site Elevation Above Mean Sea Level:	0 meters
6. Overall Tower Height Above Ground Level:	624.5 meters
7. Height of Radiation Center Above Ground Level:	616.7 meters
8. Height of Radiation Center Above Average Terrain :	615.6 meters
9. Maximum Effective Radiated Power (average power):	1000 kW

10.	<p>Antenna Specifications:</p> <p>a. Manufacturer DIE Model TFU-22GBH-R O6</p> <p>b. Electrical Beam Tilt: 0.75 degrees <input type="checkbox"/> Not Applicable</p> <p>c. Mechanical Beam Tilt: degrees toward azimuth degrees True <input checked="" type="checkbox"/> Not Applicable</p> <p>Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c). [Exhibit 45]</p> <p>d. Polarization: <input checked="" type="radio"/> Horizontal <input type="radio"/> Circular <input type="radio"/> Elliptical</p> <p>e. Directional Antenna Relative Field Values: <input checked="" type="checkbox"/> Not applicable (Nondirectional)</p> <p>[For a composite directional (not off-the-shelf) antenna, press the following button to fill in the relative field values subform.] [Relative Field Values]</p> <hr/> <p>If a directional antenna is proposed, the requirements of 47 C.F.R. Sections 73.625(c) must be satisfied. Exhibit required. [Exhibit 46]</p>
11.	<p>Does the proposed facility satisfy the pre-transition interference protection provisions of 47 C.F.R. Section 73.623(a) (Applicable only if Certification Checklist Items 1(a), (b), or (c) are answered "No.") and/or the post-transition interference protection provisions of 47 C.F.R. Section 73.616? <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p style="text-align: right;">[Exhibit 47]</p> <p>If "No," attach as an Exhibit justification therefor, including a summary of any related previously granted waivers.</p>
12.	<p>If the proposed facility will not satisfy the coverage requirement of 47 C.F.R. Section 73.625, attach as an Exhibit justification therefore. (Applicable only if Certification Checklist item 3 is answered "No.") [Exhibit 48]</p>
13.	<p>Environmental Protection Act. Submit in an Exhibit the following: [Exhibit 49]</p> <p>If Certification Checklist Item 2 is answered "Yes," a brief explanation of why an Environmental Assessment is not required. Also describe in the Exhibit the steps that will be taken to limit RF radiation exposure to the public and to persons authorized access to the tower site.</p> <p>By checking "Yes" to Certification Checklist Item 2, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.</p> <p>If Certification Checklist Item 2 is answered "No," an Environmental Assessment as required by 47 C.F.R Section 1.1311.</p>
<p>PREPARERS CERTIFICATION ON SECTION III MUST BE COMPLETED AND SIGNED.</p>	

SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name JOSEPH M. DAVIS, P.E.		Relationship to Applicant (e.g., Consulting Engineer) CONSULTING ENGINEER	
Signature		Date 9/30/2011	
Mailing Address CHESAPEAKE RF CONSULTANTS, LLC 207 OLD DOMINION ROAD			
City YORKTOWN	State or Country (if foreign address) VA	Zip Code 23692 -	
Telephone Number (include area code) 7036509600	E-Mail Address (if available) JOSEPH.DAVIS@RF-CONSULTANTS.COM		