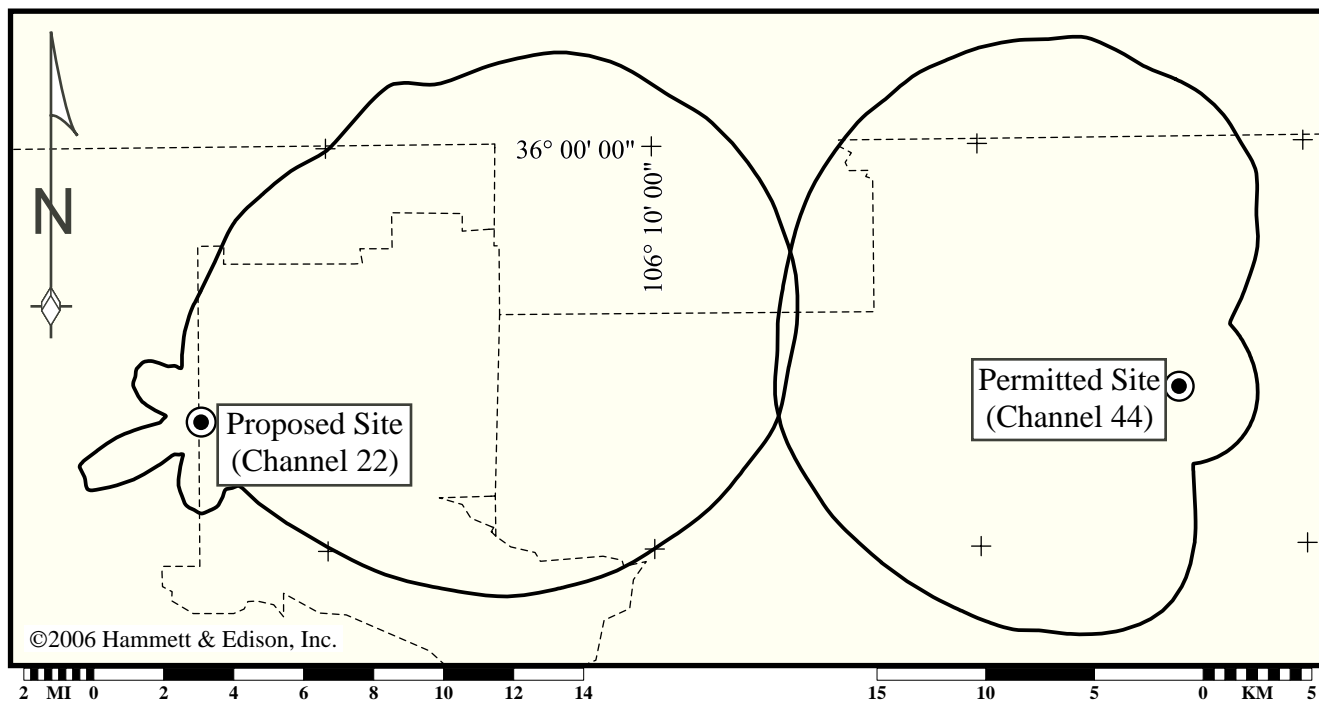


TV Translator Station K44HO • as NTSC Channel 22 • Española, New Mexico

Calculated Coverage Contours of Permitted and Proposed Operation

Note: Contours are 74 dBu F(50,50)



Transverse Mercator map projection. Geographic coordinate marks shown at 10-minute increments.



HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

March 30, 2006
Exhibit 8-1

TV Translator Station K44HO • as NTSC Channel 22 • Española, New Mexico

Results of OET-69 Interference Study for Proposed DTV Translator Operation

OET-69 Interference Analysis, 2000 Census
tvstudy v3.2.6

Station record parameters:

	--Modified-----	--Original-----
Station:	N22zL K44HO CP	N44zL K44HO CP
City:	ESPANOLA, NM	ESPANOLA, NM
Facility ID:	127924	127924
Coordinates:	N 35-53-14.3	N 35-53-55.0
	W 106-23-52.2	W 105-53-53.0
Height AMSL:	3183.6 m	2448.8 m
Maximum ERP:	2.20 kW	0.907 kW
Azimuth pattern:	2xk723147.apat	AND-AL8
Orientation:	0.0	0.0
Elevation pattern:	OET-69 generic	OET-69 generic
Service level:	72.5 dBu	74.5 dBu

Warning - some records had missing or bad data:

D21 L K21FD APP	Re-computed DTV baseline population
D22 L K22EW APP	Re-computed DTV baseline population

Summary of results:

Zero interference predicted to all stations considered.

Note:

The results of the OET-69 algorithm are dependent on the use of computer databases and complex software algorithms, which may vary between computer platforms and installations. Also, while Hammett & Edison, Inc. endeavors to follow official releases and established precedents on the matter, FCC policy on DTV analysis methods changes from time to time. Thus, the results of OET-69 interference and coverage studies are subject to change and may differ from FCC results.



TV Translator Station K44HO • as NTSC Channel 22 • Española, New Mexico

Results of OET-69 Interference Study for Proposed DTV Translator Operation

Protected station	Base Pop	IX Change	%Base	Unique IX
D21 KOAT-TV LIC ALBUQUERQUE, NM	919,949	-22,562	-2.45	0

Interfering station	Total IX	Unique IX
N22zL K44HO CP* ESPANOLA, NM	0	0
D20 KRMU CP DURANGO, CO	0	0
N21+ KRWB-TV LIC ROSWELL, NM	3,342	3,342
N21z KXRM-TV LIC COLORADO SPRING, CO	0	0

Protected station	Base Pop	IX Change	%Base	Unique IX
D21 KOAT-TV alot ALBUQUERQUE, NM	919,949	-175	-0.02	0

Interfering station	Total IX	Unique IX
N22zL K44HO CP* ESPANOLA, NM	0	0
N21+ KRWB-TV LIC ROSWELL, NM	197	197
N21z KXRM-TV LIC COLORADO SPRING, CO	0	0

Protected station	Base Pop	IX Change	%Base	Unique IX
D21 L K21FD APP TAOS, ETC., NM	21,398	0	0.00	0

Interfering station	Total IX	Unique IX
N22zL K44HO CP* ESPANOLA, NM	0	0
D21 KOAT-TV LIC ALBUQUERQUE, NM	471	471
N20+L K20GO LIC EAGLE NEST/ANGE, NM	0	0
N20zL K20CV LIC RATON, ETC., NM	0	0
N20zL K20GQ LIC LAS VEGAS, NM	0	0
N21+L K21GO CP TUCUMCARI, NM	0	0
N21nL K21EF LIC PITKIN, CO	0	0
N21nL K21GT LIC DOVE CREEK, CO	0	0
N21nL K21HF CP ASHCROFT, CO	0	0
N21nL K21HJ LIC GALLUP & TOHATC, NM	0	0
N21z KXRM-TV LIC COLORADO SPRING, CO	0	0
N21zL K21AX CP FARMINGTON, NM	0	0
N22-L K22GE LIC DULCE, NM	0	0
N22nL K22EW LIC MORA, NM	0	0



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Results of OET-69 Interference Study for Proposed DTV Translator Operation

Protected station	Base Pop	IX Change	%Base	Unique IX
D22 KXRM-TV LIC COLORADO SPRING, CO	733,668	-63,249	-8.62	0

Interfering station	Total IX	Unique IX
N22zL K44HO CP* ESPANOLA, NM	0	0
D22 KNOP-TV CP NORTH PLATTE, NE	0	0
N21z KXRM-TV LIC COLORADO SPRING, CO	0	0
N22- KFCT LIC FORT COLLINS, CO	328,568	328,568
N23zA KZCS-LP LIC COLORADO SPRING, CO	0	0

Protected station	Base Pop	IX Change	%Base	Unique IX
D22 KXRM-TV alot COLORADO SPRING, CO	733,668	-2,366	-0.32	0

Interfering station	Total IX	Unique IX
N22zL K44HO CP* ESPANOLA, NM	0	0
D22 KNOP-TV CP NORTH PLATTE, NE	0	0
N21z KXRM-TV LIC COLORADO SPRING, CO	0	0
N22- KFCT LIC FORT COLLINS, CO	102,623	102,623
N23zA KZCS-LP LIC COLORADO SPRING, CO	0	0

Protected station	Base Pop	IX Change	%Base	Unique IX
D22 L K22EW APP MORA, NM	4,487	0	0.00	0

Interfering station	Total IX	Unique IX
N22zL K44HO CP* ESPANOLA, NM	0	0
D21 KOAT-TV LIC ALBUQUERQUE, NM	0	0
D22 KXRM-TV LIC COLORADO SPRING, CO	0	0
N21+L K21FD LIC TAOS, ETC., NM	0	0
N22+L KEAT-LP CP AMARILLO, TX	0	0
N22-L K22GE LIC DULCE, NM	0	0
N22nL K22EU LIC MONTOYA, NM	0	0
N22zL K22CU LIC CORTEZ, ETC., CO	0	0
N22zL K22FN LIC WHITE OAKS, ETC, NM	0	0
N22zL KAZB-LP CP CLOVIS, NM	0	0
N23- KNAT-TV LIC ALBUQUERQUE, NM	0	0



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Results of OET-69 Interference Study for Proposed DTV Translator Operation

Protected station		Base Pop	IX Change	%Base	Unique IX
N21+L K21FD LIC	TAOS, ETC., NM	17,761	122	0.69	0

Interfering station		Total IX	Unique IX
N22zL K44HO CP*	ESPANOLA, NM	0	0
D21 KOAT-TV LIC	ALBUQUERQUE, NM	122	122
N20+L K20GO LIC	EAGLE NEST/ANGE, NM	0	0
N20zL K20CV LIC	RATON, ETC., NM	0	0
N20zL K20GQ LIC	LAS VEGAS, NM	0	0
N21+L K21GO CP	TUCUMCARI, NM	0	0
N21nL K21EF LIC	PITKIN, CO	0	0
N21nL K21HJ LIC	GALLUP & TOHATC, NM	0	0
N21z KXRM-TV LIC	COLORADO SPRING, CO	0	0
N21zL K21AX CP	FARMINGTON, NM	0	0
N22nL K22EW LIC	MORA, NM	0	0
N36+L K06EM CP	ROY, NM	0	0
N36-L K36GP CP	ALAMOSA, CO	0	0
N36zL K36FQ LIC	WAGON MOUND, NM	0	0

Protected station		Base Pop	IX Change	%Base	Unique IX
N22-L K22GE LIC	DULCE, NM	2,531	0	0.00	0

Interfering station		Total IX	Unique IX
N22zL K44HO CP*	ESPANOLA, NM	0	0
D22 KXRM-TV LIC	COLORADO SPRING, CO	0	0
N22nL K22EW LIC	MORA, NM	0	0
N22zL K22CU LIC	CORTEZ, ETC., CO	0	0

Protected station		Base Pop	IX Change	%Base	Unique IX
N22nL K22EU LIC	MONTOYA, NM	38	0	0.00	0

Interfering station		Total IX	Unique IX
N22zL K44HO CP*	ESPANOLA, NM	0	0
D30 L K30HD CP	TUCUMCARI, NM	0	0
N21+L K21GO CP	TUCUMCARI, NM	0	0
N22+L KEAT-LP CP	AMARILLO, TX	0	0
N22- KWBZ-TV LIC	WOLFFORTH, TX	0	0
N22nL K22EW LIC	MORA, NM	0	0
N22nL K58DF CP	TURKEY, ETC., TX	0	0
N22zL K22FN LIC	WHITE OAKS, ETC, NM	0	0
N22zL KAZB-LP CP	CLOVIS, NM	0	0



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Results of OET-69 Interference Study for Proposed DTV Translator Operation

Protected station		Base Pop	IX Change	%Base	Unique IX
N22nL K22EW LIC	MORA, NM	2,788	0	0.00	0

Interfering station		Total IX	Unique IX
N22zL K44HO CP*	ESPANOLA, NM	0	0
D22 KXRM-TV LIC	COLORADO SPRING, CO	0	0
N21+L K21FD LIC	TAOS, ETC., NM	0	0
N22-L K22GE LIC	DULCE, NM	0	0
N22nL K22EU LIC	MONTOYA, NM	0	0
N22zL K22CU LIC	CORTEZ, ETC., CO	0	0
N22zL K22FN LIC	WHITE OAKS, ETC, NM	0	0
N22zL KAZB-LP CP	CLOVIS, NM	0	0

Protected station		Base Pop	IX Change	%Base	Unique IX
N22zL K22CU LIC	CORTEZ, ETC., CO	194	0	0.00	0

Interfering station		Total IX	Unique IX
N22zL K44HO CP*	ESPANOLA, NM	0	0
N21nL K21GT LIC	DOVE CREEK, CO	0	0
N21zL K21AX CP	FARMINGTON, NM	0	0
N22-L K22GE LIC	DULCE, NM	0	0
N22nL K22EW LIC	MORA, NM	0	0
N23nL K23GF LIC	DOVE CREEK, CO	0	0
N23zL K23BT LIC	FARMINGTON, NM	0	0

Protected station		Base Pop	IX Change	%Base	Unique IX
N22zL K22FN LIC	WHITE OAKS, ETC, NM	0	0	0.00	0

Interfering station		Total IX	Unique IX
N22zL K44HO CP*	ESPANOLA, NM	0	0
N22+L K22GU CP	DUNCAN, AZ	0	0
N22- KRWG-TV LIC	LAS CRUCES, NM	0	0
N22nL K22EU LIC	MONTOYA, NM	0	0
N22nL K22EW LIC	MORA, NM	0	0
N22zL KAZB-LP CP	CLOVIS, NM	0	0



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Results of OET-69 Interference Study for Proposed DTV Translator Operation

Protected station	Base Pop	IX Change	%Base	Unique IX
N23- KNAT-TV LIC ALBUQUERQUE, NM	921,705	36	0.00	0
Interfering station	Total IX	Unique IX		
N22zL K44HO CP* ESPANOLA, NM	0	0		
D16 KRQE LIC ALBUQUERQUE, NM	0	0		
D21 KOAT-TV LIC ALBUQUERQUE, NM	0	0		
D23 KRWG-TV CP LAS CRUCES, NM	0	0		
D24 KNAT-TV LIC ALBUQUERQUE, NM	0	0		
D26 KOB-TV LIC ALBUQUERQUE, NM	36	0		
D27 KASA-TV LIC SANTA FE, NM	36	0		
N23zA KZCS-LP LIC COLORADO SPRING, CO	0	0		

* Record parameters modified

