

## TV Translator Station K34HF • as Channel D34 • Cuba, New Mexico

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

OET-69 Interference Analysis, 2000 Census  
tvstudy v3.2.3

Stringent emission mask used for digital Class A and LPTV/translator records

Station record parameters:

	--Modified-----	--Original-----
Station:	D34 L K34HF CP	N34-L K34HF CP
City:	CUBA, NM	CUBA, NM
Facility ID:	127961	127961
Coordinates:	N 36-00-48.0	N 36-00-48.0
	W 106-50-38.0	W 106-50-38.0
Height AMSL:	2943.4 m	2943.4 m
Maximum ERP:	0.649 kW	2.23 kW
Azimuth pattern:	SCA-PR-TV-34 HORZ. SKEWED	SCA-PR-TV-34 HORZ. SKEWED
Orientation:	0.0	0.0
Elevation pattern:	OET-69 generic	OET-69 generic
Service level:	50.7 dBu	73.7 dBu
Emission mask:	stringent	--

Warning - some records had missing or bad data:

N33zL K33IH CP	Below-ground AGL height, adjusted to 2m AGL
N34nL K34FV LIC	Below-ground AGL height, adjusted to 2m AGL
N34zL K34IE CP	Below-ground AGL height, adjusted to 2m AGL

#### Summary of results for stations for which waiver is requested:

Ch.	Call	Community of License	Baseline	Unique IX	Percentage
N19	KWBQ	SANTA FE, NM	937,776	0	0%
N35	K35GY	CUBA, NM	1,340	0	0
D35	KNME-TV	ALBUQUERQUE, NM	948,211	97	0.0123
N41	KLUZ-TV	ALBUQUERQUE, NM	908,745	0	0



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Protected station	Base Pop	IX Change	%Base	Unique IX
D35 KNME-TV GNT ALBUQUERQUE, NM	948,211	15,524	1.64	59

Interfering station	Total IX	Unique IX
D34 L K34HF CP* CUBA, NM	59	59

Protected station	Base Pop	IX Change	%Base	Unique IX
D35 KNME-TV LIC ALBUQUERQUE, NM	948,211	16,915	1.78	97

Interfering station	Total IX	Unique IX
D34 L K34HF CP* CUBA, NM	97	97

Protected station	Base Pop	IX Change	%Base	Unique IX
N19- KWBQ LIC SANTA FE, NM	937,776	182	0.02	0

Interfering station	Total IX	Unique IX
D34 L K34HF CP* CUBA, NM	0	0
D16 KRQE LIC ALBUQUERQUE, NM	0	0
D17 KAZQ LIC ALBUQUERQUE, NM	0	0
D19 KOCT CP CARLSBAD, NM	182	182
D21 KOAT-TV LIC ALBUQUERQUE, NM	0	0
D26 KOB-TV LIC ALBUQUERQUE, NM	0	0
D27 KASA-TV LIC SANTA FE, NM	0	0
N23- KNAT-TV LIC ALBUQUERQUE, NM	105	105

Protected station	Base Pop	IX Change	%Base	Unique IX
N31zL K31HB LIC GALLINA, NM	654	0	0.00	0

Interfering station	Total IX	Unique IX
D34 L K34HF CP* CUBA, NM	0	0
N30-L K30HS CP TAOS, NM	0	0
N30zL K30EK LIC DULCE & LUMBERT, NM	0	0
N31-L K31EO LIC MORA, NM	0	0
N31-L K31FS LIC PAGOSA SPRINGS, CO	0	0
N31-L K31GC LIC FORREST, ETC., NM	0	0
N31nL K31CT LIC CORTEZ, CO	0	0
N31zL K31FX LIC PIE TOWN, NM	0	0
N46+L K46FI LIC GRANTS, NM	0	0
N46+L K46FM LIC BAYFIELD, CO	0	0
N46zL K46GL LIC RED RIVER, NM	0	0
N46zL K46GY CP SANTA FE, NM	0	0



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Protected station	Base Pop	IX Change	%Base	Unique IX
N32+ KAZQ LIC ALBUQUERQUE, NM	870,757	433	0.05	0

Interfering station	Total IX	Unique IX
D34 L K34HF CP* CUBA, NM	0	0
D24 KNAT-TV LIC ALBUQUERQUE, NM	0	0
D29 KWBQ CP SANTA FE, NM	36	36
D32 KENW LIC PORTALES, NM	397	397
D35 KNME-TV LIC ALBUQUERQUE, NM	0	0
N47-A K56FB CP ALBUQUERQUE, NM	3	3

Protected station	Base Pop	IX Change	%Base	Unique IX
N33+ KTLL-TV LIC DURANGO, CO	47,342	0	0.00	0

Interfering station	Total IX	Unique IX
D34 L K34HF CP* CUBA, NM	0	0

Protected station	Base Pop	IX Change	%Base	Unique IX
N34+L K08IJ CP GALLUP, NM	38,495	0	0.00	0

Interfering station	Total IX	Unique IX
D34 L K34HF CP* CUBA, NM	0	0
N33zL K33GA LIC GRANTS & MILAN, NM	0	0
N33zL K33IH CP HOLBROOK, AZ	0	0
N34-L K34EE LIC PRESCOTT/COTTON, AZ	0	0
N34-L K34FU LIC ARREY & DERRY, NM	0	0
N34nL K34DH LIC REDVALE, ETC., CO	0	0
N34nL K34IA LIC DOVE CREEK, CO	0	0
N34zL K34FD LIC CHAMA, ETC., NM	0	0
N34zL K34HS CP RESERVE, NM	0	0
N49nL K49ET LIC MANY FARMS, AZ	0	0

Protected station	Base Pop	IX Change	%Base	Unique IX
N34+L K34GI LIC TRINIDAD, CO	10,946	0	0.00	0

Interfering station	Total IX	Unique IX
D34 L K34HF CP* CUBA, NM	0	0
D34 KWGN-TV CP DENVER, CO	0	0
N33-L K33GC LIC CAPULIN, ETC., NM	0	0
N34+L K34GU LIC FORT SUMNER, NM	0	0
N34nL K34EZ LIC FOREST/MCALISTE, NM	0	0
N34nL K34FB LIC PUEBLO, CO	0	0
N34zL K34FD LIC CHAMA, ETC., NM	0	0
N34zL K34FQ LIC ROY, NM	0	0
N34zL K34GL LIC SANTA ROSA, NM	0	0
N35nL K35BZ LIC EAGLE NEST, NM	0	0
N35nL K35DZ LIC LA JUNTA, CO	0	0



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Protected station	Base Pop	IX Change	%Base	Unique IX
N34+L K34GU LIC FORT SUMNER, NM	61	0	0.00	0

Interfering station	Total IX	Unique IX
D34 L K34HF CP* CUBA, NM	0	0
N34+A KCVP-LP CP CLOVIS, NM	0	0
N34- KJTV-TV LIC LUBBOCK, TX	0	0
N34-L K34HG CP ARTESIA, NM	0	0
N34nL K34CR LIC ALAMOGORDO, ETC, NM	0	0
N34nL K34EZ LIC FOREST/MCALISTE, NM	0	0
N34zL K34FQ LIC ROY, NM	0	0
N34zL K34GL LIC SANTA ROSA, NM	0	0
N35nL K35FP LIC TUCUMCARI, NM	0	0
N49nL K49BY LIC CLOVIS, NM	0	0
N49zL K49IL LIC TECOLOTE, NM	0	0

Protected station	Base Pop	IX Change	%Base	Unique IX
N34nL K34DH LIC REDVALE, ETC., CO	0	0	0.00	0

Interfering station	Total IX	Unique IX
D34 L K34HF CP* CUBA, NM	0	0
D34 KWGN-TV CP DENVER, CO	0	0
N34+L K08IJ CP GALLUP, NM	0	0
N34nL K34FV LIC DUCHESNE, UT	0	0
N34nL K34GN LIC BICKNELL & TEAS, UT	0	0
N34nL K34IA LIC DOVE CREEK, CO	0	0
N34zL K34FD LIC CHAMA, ETC., NM	0	0
N34zL K34IE CP E. EAGLE, CO	0	0
N35zL K35CH LIC CORTEZ, MANCOS,, CO	0	0
N49nL K49BW LIC CRESTED BUTTE, , CO	0	0
N49nL K49EQ LIC CORTEZ, ETC., CO	0	0
N49nL K49IO LIC GRAND JUNCTION, CO	0	0

Protected station	Base Pop	IX Change	%Base	Unique IX
N34nL K34IA LIC DOVE CREEK, CO	993	0	0.00	0

Interfering station	Total IX	Unique IX
D34 L K34HF CP* CUBA, NM	0	0
N33+ KTLL-TV LIC DURANGO, CO	0	0
N34+L K08IJ CP GALLUP, NM	0	0
N34nL K34AL LIC MARYSVALE, UT	0	0
N34nL K34DH LIC REDVALE, ETC., CO	0	0
N34nL K34FV LIC DUCHESNE, UT	0	0
N34nL K34GN LIC BICKNELL & TEAS, UT	0	0
N34zL K34FD LIC CHAMA, ETC., NM	0	0
N34zL K34IE CP E. EAGLE, CO	0	0
N35zL K35CH LIC CORTEZ, MANCOS,, CO	0	0
N49nL K49EQ LIC CORTEZ, ETC., CO	0	0



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Protected station		Base Pop	IX Change	%Base	Unique IX
N34zL K34FD LIC	CHAMA, ETC., NM	1,423	0	0.00	0

Interfering station		Total IX	Unique IX
D34 L K34HF CP*	CUBA, NM	0	0
N33zL K33BN LIC	TAOS, NM	0	0
N34+L K08IJ CP	GALLUP, NM	0	0
N34+L K34GI LIC	TRINIDAD, CO	0	0
N34nL K34DH LIC	REDVALE, ETC., CO	0	0
N34nL K34FB LIC	PUEBLO, CO	0	0
N34nL K34IA LIC	DOVE CREEK, CO	0	0
N34zL K34FQ LIC	ROY, NM	0	0
N34zL K34GL LIC	SANTA ROSA, NM	0	0
N35zL K35GY CP	CUBA, NM	0	0

Protected station		Base Pop	IX Change	%Base	Unique IX
N34zL K34FQ LIC	ROY, NM	335	0	0.00	0

Interfering station		Total IX	Unique IX
D34 L K34HF CP*	CUBA, NM	0	0
N33+L K33FL LIC	LAS VEGAS, NM	0	0
N33-L K33GC LIC	CAPULIN, ETC., NM	0	0
N34+A KCVP-LP CP	CLOVIS, NM	0	0
N34+L K34GI LIC	TRINIDAD, CO	0	0
N34+L K34GU LIC	FORT SUMNER, NM	0	0
N34nL K34EZ LIC	FOREST/MCALISTE, NM	0	0
N34nL K34FB LIC	PUEBLO, CO	0	0
N34zL K34FD LIC	CHAMA, ETC., NM	0	0
N34zL K34GL LIC	SANTA ROSA, NM	0	0
N34zL KZFB-LP CP	PAMPA, TX	0	0
N35nL K35FP LIC	TUCUMCARI, NM	0	0
N49zL K49IL LIC	TECOLOTE, NM	0	0

Protected station		Base Pop	IX Change	%Base	Unique IX
N34zL K34GL LIC	SANTA ROSA, NM	2,924	0	0.00	0

Interfering station		Total IX	Unique IX
D34 L K34HF CP*	CUBA, NM	0	0
N33+L K33FL LIC	LAS VEGAS, NM	0	0
N34+A KCVP-LP CP	CLOVIS, NM	0	0
N34+L K34GI LIC	TRINIDAD, CO	0	0
N34+L K34GU LIC	FORT SUMNER, NM	0	0
N34- KJTV-TV LIC	LUBBOCK, TX	0	0
N34-L K34HG CP	ARTESIA, NM	0	0
N34nL K34CR LIC	ALAMOGORDO, ETC, NM	0	0
N34nL K34EZ LIC	FOREST/MCALISTE, NM	0	0
N34zL K34FD LIC	CHAMA, ETC., NM	0	0
N34zL K34FQ LIC	ROY, NM	0	0
N35nL K35FP LIC	TUCUMCARI, NM	0	0
N49zL K49IL LIC	TECOLOTE, NM	0	0



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Protected station		Base Pop	IX Change	%Base	Unique IX
N34zL K34HS CP	RESERVE, NM	310	0	0.00	0

Interfering station		Total IX	Unique IX
D34 L K34HF CP*	CUBA, NM	0	0
D34 KTVW-TV LIC	PHOENIX, AZ	0	0
N33-L K33DA LIC	DUNCAN, ETC., AZ	0	0
N34+L K08IJ CP	GALLUP, NM	0	0
N34-A KFTU-CA LIC	TUCSON, AZ	0	0
N34-L K34EE LIC	PRESCOTT/COTTON, AZ	0	0
N34-L K34FU LIC	ARREY & DERRY, NM	0	0
N34nL K34CR LIC	ALAMOGORDO, ETC, NM	0	0
N35-L K35CP LIC	DUNCAN, ETC., AZ	0	0
N49nL K49CH LIC	DUNCAN, AZ	0	0

Protected station		Base Pop	IX Change	%Base	Unique IX
N35-L 000831CF APP	ESPANOLA, NM	32,686	24,395	74.63	0

Interfering station		Total IX	Unique IX
D34 L K34HF CP*	CUBA, NM	0	0
D35 KNME-TV LIC	ALBUQUERQUE, NM	25,147	24,395
N34zL K34FD LIC	CHAMA, ETC., NM	0	0
N35-L K35GU CP	RUIDOSO, ETC., NM	0	0
N35nL K35BZ LIC	EAGLE NEST, NM	0	0
N35nL K35DZ LIC	LA JUNTA, CO	0	0
N35nL K35FP LIC	TUCUMCARI, NM	0	0
N35zL K35CH LIC	CORTEZ, MANCOS,, CO	0	0
N35zL K35GY CP	CUBA, NM	0	0
N36zL KTVS-LP LIC	ALBUQUERQUE, NM	0	0
N50z KASY-TV LIC	ALBUQUERQUE, NM	752	0

Protected station		Base Pop	IX Change	%Base	Unique IX
N35zL K35GY CP	CUBA, NM	1,340	1	0.07	0

Interfering station		Total IX	Unique IX
D34 L K34HF CP*	CUBA, NM	0	0
D35 KNME-TV LIC	ALBUQUERQUE, NM	2	1
N34zL K34FD LIC	CHAMA, ETC., NM	0	0
N35-L K35GU CP	RUIDOSO, ETC., NM	0	0
N35nL K35BZ LIC	EAGLE NEST, NM	0	0
N35nL K35FP LIC	TUCUMCARI, NM	0	0
N35zL K35CH LIC	CORTEZ, MANCOS,, CO	0	0
N36zL KTVS-LP LIC	ALBUQUERQUE, NM	0	0
N50z KASY-TV LIC	ALBUQUERQUE, NM	1	0



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Protected station			Base Pop	IX Change	%Base	Unique IX
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N41z	KLUZ-TV LIC	ALBUQUERQUE, NM	908,745	179	0.02	0
Interfering station			Total IX	Unique IX		
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D34 L	K34HF CP*	CUBA, NM	0	0		
D41	KBIM-TV CP	ROSWELL, NM	166	166		
D42	KLUZ-TV CP	ALBUQUERQUE, NM	0	0		
D45	KASY-TV LIC	ALBUQUERQUE, NM	13	13		
N56nA	K56FB LIC	ALBUQUERQUE, NM	52	52		

\* Record parameters modified

### 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.

