

TV Translator Station K46HY-D • as Channel D46 • Socorro, New Mexico

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

OET-69 Interference Analysis, 2000 Census
tvstudy v3.2.4

Station record parameters:

	--Modified-----	--Original-----
Station:	D46 L K46HY CP	N46-L K46HY CP
City:	SOCORRO, NM	SOCORRO, NM
Facility ID:	127932	127932
Coordinates:	N 34-04-18.0	N 34-04-18.0
	W 106-57-44.8	W 106-57-44.8
Height AMSL:	2223.8 m	2223.8 m
Maximum ERP:	0.419 kW	2.23 kW
Azimuth pattern:	K723147.apat	AND-AL8N
Orientation:	0.0	112.0
Elevation pattern:	OET-69 generic	OET-69 generic
Service level:	51.7 dBu	74.7 dBu

Warning - some records had missing or bad data:

N46+L K46HM LIC Below-ground AGL height, adjusted to 2m AGL

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.



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Protected station	Base Pop	IX Change	%Base	Unique IX
D45 KASY-TV GNT ALBUQUERQUE, NM	927,253	-486	-0.05	0

Interfering station	Total IX	Unique IX
D46 L K46HY CP* SOCORRO, NM	0	0

Protected station	Base Pop	IX Change	%Base	Unique IX
D45 KASY-TV LIC ALBUQUERQUE, NM	927,253	5,705	0.62	0

Interfering station	Total IX	Unique IX
D46 L K46HY CP* SOCORRO, NM	0	0

Protected station	Base Pop	IX Change	%Base	Unique IX
N44zL K44HJ LIC SOCORRO, NM	2,126	0	0.00	0

Interfering station	Total IX	Unique IX
D46 L K46HY CP* SOCORRO, NM	0	0
N43nL K43BT LIC CARRIZOZO-TULAR, NM	0	0
N44-L K44GD LIC CROWNPOINT, NM	0	0
N44nL KPLP-LP LIC ROSWELL, NM	0	0
N44zL K44BB LIC WINDOW ROCK, AZ	0	0
N44zL K44HO CP ESPANOLA, NM	0	0

Protected station	Base Pop	IX Change	%Base	Unique IX
N46+L K46FI LIC GRANTS, NM	0	0	0.00	0

Interfering station	Total IX	Unique IX
D46 L K46HY CP* SOCORRO, NM	0	0
D45 KASY-TV LIC ALBUQUERQUE, NM	0	0
N46+L K46FM LIC BAYFIELD, CO	0	0
N46+L K46HU CP CARRIZOZO, NM	0	0
N46-L K46IE LIC CORTEZ-RED MESA, CO	0	0
N46zL K46GL LIC RED RIVER, NM	0	0
N46zL K46GY CP SANTA FE, NM	0	0
N47-A K56FB CP ALBUQUERQUE, NM	0	0
N61nL K36FD LIC THOREAU, NM	0	0
N61zA KYNM-LP LIC ALBUQUERQUE, NM	0	0



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Protected station		Base Pop	IX Change	%Base	Unique IX
N46+L K46HU CP	CARRIZOZO, NM	23	0	0.00	0

Interfering station		Total IX	Unique IX
D46 L K46HY CP*	SOCORRO, NM	0	0
N46+L K46FI LIC	GRANTS, NM	0	0
N46+L K46HM LIC	LOVINGTON, NM	0	0
N46-L K46FE LIC	ARTESIA, NM	0	0
N46-L K46GU LIC	DEMING, NM	0	0
N46-L K62EX CP	PORTALES, NM	0	0
N46nL K46BU LIC	TUCUMCARI, NM	0	0
N46zL K46GY CP	SANTA FE, NM	0	0
N46zL K46IJ CP	ROSWELL, NM	0	0
N47nL KGDR-LP LIC	RUIDOSO, NM	0	0

Protected station		Base Pop	IX Change	%Base	Unique IX
N46-L 000831EI APP	TIMBERON, NM	318	0	0.00	0

Interfering station		Total IX	Unique IX
D46 L K46HY CP*	SOCORRO, NM	0	0
D47 KTDO CP	LAS CRUCES, NM	0	0
N46+L K46HM LIC	LOVINGTON, NM	0	0
N46+L K46HU CP	CARRIZOZO, NM	0	0
N46-L K46FE LIC	ARTESIA, NM	0	0
N46-L K46GU LIC	DEMING, NM	0	0
N46-L K62EX CP	PORTALES, NM	0	0
N46zL K46GY CP	SANTA FE, NM	0	0
N46zL K46IJ CP	ROSWELL, NM	0	0
N47nL KGDR-LP LIC	RUIDOSO, NM	0	0
N61nA K20GL LIC	LAS CRUCES, NM	0	0

Protected station		Base Pop	IX Change	%Base	Unique IX
N46-L K46FE LIC	ARTESIA, NM	761	0	0.00	0

Interfering station		Total IX	Unique IX
D46 L K46HY CP*	SOCORRO, NM	0	0
D47 030604AC GNT	HOBBS, NM	0	0
N45-L K45GJ LIC	CARLSBAD, NM	0	0
N45zL K45HX CP	ROSWELL, NM	0	0
N45zL K45IL LIC	HOBBS, NM	0	0
N46+L K46FO LIC	BIG SPRING, TX	0	0
N46+L K46HM LIC	LOVINGTON, NM	0	0
N46+L K46HN CP	ODESSA, TX	0	0
N46+L K46HU CP	CARRIZOZO, NM	0	0
N46-L K62EX CP	PORTALES, NM	0	0
N46nA KXTQ-CA LIC	LUBBOCK, TX	0	0
N46nL K46BU LIC	TUCUMCARI, NM	0	0
N46zL K46IJ CP	ROSWELL, NM	0	0
N47+L K47FX LIC	CARLSBAD, NM	0	0



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Protected station		Base Pop	IX Change	%Base	Unique IX
N46-L K46GU LIC	DEMING, NM	5,445	0	0.00	0

Interfering station		Total IX	Unique IX
D46 L K46HY CP*	SOCORRO, NM	0	0
N45+L K45HJ CP	CABALLO, NM	0	0
N45nL K45EC LIC	SILVER CITY, NM	0	0
N46+L K46HU CP	CARRIZOZO, NM	0	0
N46z KUVE-TV LIC	GREEN VALLEY, AZ	0	0
N46zL K46IJ CP	ROSWELL, NM	0	0
N6lnA K20GL LIC	LAS CRUCES, NM	0	0
N6lnL K61CN LIC	LORDSBURG, NM	0	0

Protected station		Base Pop	IX Change	%Base	Unique IX
N46zL K46GY CP	SANTA FE, NM	64,544	2,724	4.22	0

Interfering station		Total IX	Unique IX
D46 L K46HY CP*	SOCORRO, NM	0	0
D45 KASY-TV LIC	ALBUQUERQUE, NM	13,892	2,724
N46+L K46FI LIC	GRANTS, NM	6,795	0
N46+L K46FM LIC	BAYFIELD, CO	0	0
N46+L K46HU CP	CARRIZOZO, NM	0	0
N46-L K46IE LIC	CORTEZ-RED MESA, CO	0	0
N46-L K62EX CP	PORTALES, NM	0	0
N46nL K46BU LIC	TUCUMCARI, NM	0	0
N46nL K46BY LIC	CAPULIN, ETC., NM	0	0
N46zL K46GL LIC	RED RIVER, NM	0	0
N46zL K46IJ CP	ROSWELL, NM	0	0
N47-A K56FB CP	ALBUQUERQUE, NM	10,507	0
N47zL K47GV LIC	LAS VEGAS, NM	0	0
N61zA KYNM-LP LIC	ALBUQUERQUE, NM	10,507	0

Protected station		Base Pop	IX Change	%Base	Unique IX
N46zL K46GY LIC	SANTA FE, NM	52,681	2,685	5.10	0

Interfering station		Total IX	Unique IX
D46 L K46HY CP*	SOCORRO, NM	0	0
D45 KASY-TV LIC	ALBUQUERQUE, NM	5,473	2,685
N46+L K46FI LIC	GRANTS, NM	3,021	233
N46+L K46FM LIC	BAYFIELD, CO	0	0
N46+L K46HU CP	CARRIZOZO, NM	0	0
N46-L K46IE LIC	CORTEZ-RED MESA, CO	0	0
N46-L K62EX CP	PORTALES, NM	0	0
N46nL K46BU LIC	TUCUMCARI, NM	0	0
N46nL K46BY LIC	CAPULIN, ETC., NM	0	0
N46zL K46GL LIC	RED RIVER, NM	0	0
N46zL K46IJ CP	ROSWELL, NM	0	0
N47-A K56FB CP	ALBUQUERQUE, NM	2,788	0
N47zL K47GV LIC	LAS VEGAS, NM	0	0
N61zA KYNM-LP LIC	ALBUQUERQUE, NM	2,788	0



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Protected station		Base Pop	IX Change	%Base	Unique IX
N46zL K46IJ CP	ROSWELL, NM	48,700	0	0.00	0

Interfering station		Total IX	Unique IX
D46 L K46HY CP*	SOCORRO, NM	0	0
N45-L K45GJ LIC	CARLSBAD, NM	0	0
N45zL K45HX CP	ROSWELL, NM	0	0
N46+L K46HM LIC	LOVINGTON, NM	0	0
N46+L K46HN CP	ODESSA, TX	0	0
N46+L K46HU CP	CARRIZO, NM	0	0
N46-L K46FE LIC	ARTESIA, NM	0	0
N46-L K46GU LIC	DEMING, NM	0	0
N46-L K62EX CP	PORTALES, NM	0	0
N46nA KXTQ-CA LIC	LUBBOCK, TX	0	0
N46nL K46BU LIC	TUCUMCARI, NM	0	0
N46zL K46GY CP	SANTA FE, NM	0	0
N47+L K47FX LIC	CARLSBAD, NM	0	0

Protected station		Base Pop	IX Change	%Base	Unique IX
N47-A K56FB CP	ALBUQUERQUE, NM	555,182	0	0.00	0

Interfering station		Total IX	Unique IX
D46 L K46HY CP*	SOCORRO, NM	0	0
D45 KASY-TV LIC	ALBUQUERQUE, NM	55	0
N46+L K46FI LIC	GRANTS, NM	0	0
N46zL K46GY CP	SANTA FE, NM	42	0
N47+L K47DI LIC	COYOTE CANYON, NM	0	0
N47+L K47KD CP	DURANGO, CO	0	0
N47nL K47DH LIC	CLOVIS, NM	0	0
N47nL KGDR-LP LIC	RUIDOSO, NM	0	0
N47zL K47DR LIC	FARMINGTON, NM	0	0
N47zL K47GV LIC	LAS VEGAS, NM	0	0
N48+L K48GD CP	GALLINA, NM	0	0
N48-L K48IE CP	ESPANOLA, NM	0	0
N48zL KTFA-LP LIC	ALBUQUERQUE, NM	55	0

Protected station		Base Pop	IX Change	%Base	Unique IX
N50z KASY-TV LIC	ALBUQUERQUE, NM	920,545	0	0.00	0

Interfering station		Total IX	Unique IX
D46 L K46HY CP*	SOCORRO, NM	0	0
D42 KLUZ-TV CP	ALBUQUERQUE, NM	0	0

* Record parameters modified

