

**KENW - TV Eastern New Mexico University
Portales, NM**

Page 1
Wednesday, July 11, 2001

Dataworld LPTV/TV Translator Interference Study

Title: Roswell 31(+)

Channel: 31 Offset: + (572-578 MHz) Analog
Database: DW 7/10/2001 6:08:24 PM

ERP: 11.5 kW
HAAT: 108.0 m

Latitude: N 33° 24' 05.0"
Longitude: W 104° 22' 45.0"
Safety Zone: 32.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Zone	HAMSL(m)	(kW)	Longitude	-from	(km)

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from use of the said information.

Job Title: Roswell 31(+)

Channel(s):
Coordinates:
Effective radiated power:
Antenna 108 m (354.2 ft) above average terrain
Safety Zone:
TV translators included

31 Offset: +
N 33° 24' 05.0" W 104° 22' 45.0"
11.5 kW
32.0 km (19.9 mi)

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Wednesday, July 11, 2001

Datavorld LPTV/TV Translator Interference Study

Title: Roswell 31(+)

Channel: 31 Offset: + (572-578 MHz) Analog
Database: FCC 7/11/2001 1:30:32 AM

ERP: 11.5 kW
HAAT: 108.0 m

Latitude: N 33° 24' 05.0"
Longitude: W 104° 22' 45.0"
Safety Zone: 32.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Zone	HAMSL(m)	Longitude	-from	(km)	(km)
K16BZ	LIC	EMMIS TELEVISION LICENSE CORPORA	16 +	845.2	2.51	N 33° 24' 14.0"	270.5	130.5	16.78
RUIDOSO		NM	BLTT-19890424IG		3299.0	W 105° 46' 55.0"	89.7	113.7	CLEAR
DA: SCA 4DR-16S @ 72.0°									
Proposed Channel 31 80 dBuV/m F(50,50) Interfering contour = 11.0 km					K16BZ Channel 16 74 dBuV/m F(50,50) Service contour = 5.8 km				
NEW	APP	EASTERN NEW MEXICO UNIVERSITY	30 +	82.6	12.4	N 33° 24' 05.0"	0.0	0.000	19.32
ROSWELL		NM	BNPTT-20000829AOR		1176.0	W 104° 22' 45.0"	0.0	-19.3	SHORT
Proposed Channel 31 89 dBuV/m F(50,50) Interfering contour = 6.7 km					NEW Channel 30 74 dBuV/m F(50,50) Service contour = 8.4 km				
Proposed Channel 31 74 dBuV/m F(50,50) Service contour = 15.7 km					NEW Channel 30 89 dBuV/m F(50,50) Interfering contour = 3.7 km				
NEW	APP	RAMAR COMMUNICATIONS II, LTD	30 o	109.5	45.6	N 33° 24' 05.0"	90.0	0.052	20.65
ROSWELL		NM	BNPTT-20000831BDV		1203.0	W 104° 22' 43.0"	270.0	-20.6	SHORT
DA: AND ALP16M2-HSER @ 285.0°									
Proposed Channel 31 89 dBuV/m F(50,50) Interfering contour = 6.7 km					NEW Channel 30 74 dBuV/m F(50,50) Service contour = 11.6 km				
Proposed Channel 31 74 dBuV/m F(50,50) Service contour = 15.7 km					NEW Channel 30 89 dBuV/m F(50,50) Interfering contour = 5.0 km				
NEW	APP	TRINITY BROADCASTING NETWORK	30 -	84.0	3	N 33° 21' 47.0"	260.0	24.31	18.32
ROSWELL		NM	BNPTT-20000830BEM		1250.0	W 104° 38' 11.0"	79.8	5.993	CLOSE
Proposed Channel 31 89 dBuV/m F(50,50) Interfering contour = 6.7 km					NEW Channel 30 74 dBuV/m F(50,50) Service contour = 6.0 km				
Proposed Channel 31 74 dBuV/m F(50,50) Service contour = 15.7 km					NEW Channel 30 89 dBuV/m F(50,50) Interfering contour = 2.7 km				
NEW	APP	EASTERN NEW MEXICO UNIVERSITY	31 +	82.6	12.4	N 33° 24' 05.0"	0.0	0.000	151.7
ROSWELL		NM	BNPTT-20000829AOS		1176.0	W 104° 22' 45.0"	0.0	-152	SHORT
DA: AND AL-8N @ 270.0°									
Proposed Channel 31 29 dBuV/m F(50,10) Interfering contour = 143.3 km					NEW Channel 31 74 dBuV/m F(50,50) Service contour = 8.4 km				
Proposed Channel 31 74 dBuV/m F(50,50) Service contour = 15.7 km					NEW Channel 31 29 dBuV/m F(50,10) Interfering contour = 127.3 km				
Proposed Channel 31 46 dBuV/m F(50,10) Interfering contour = 62.4 km					NEW Channel 31 74 dBuV/m F(50,50) Service contour = 8.4 km				
Proposed Channel 31 74 dBuV/m F(50,50) Service contour = 15.7 km					NEW Channel 31 46 dBuV/m F(50,10) Interfering contour = 48.1 km				
K47FX	LIC	RAYCOM NATIONAL, INC..	31	35.1	8.97	N 32° 27' 02.0"	171.6	106.6	151.1
CARLSBAD		NM	BLTT-19900105ID		1017.0	W 104° 12' 47.0"	351.7	-44.5	SHORT
Proposed Channel 31 29 dBuV/m F(50,10) Interfering contour = 143.3 km					K47FX Channel 31 74 dBuV/m F(50,50) Service contour = 7.8 km				
Proposed Channel 31 74 dBuV/m F(50,50) Service contour = 15.7 km					K47FX Channel 31 29 dBuV/m F(50,10) Interfering contour = 119.8 km				
Proposed Channel 31 46 dBuV/m F(50,10) Interfering contour = 62.4 km					K47FX Channel 31 74 dBuV/m F(50,50) Service contour = 7.8 km				
Proposed Channel 31 74 dBuV/m F(50,50) Service contour = 15.7 km					K47FX Channel 31 46 dBuV/m F(50,10) Interfering contour = 44.0 km				
NEW	APP	EASTERN NEW MEXICO	31 +	888.0	8.7	N 33° 24' 16.0"	270.5	130.4	151.0
RUIDOSO, ETC		NM	BNPTT-20000829ATK		3341.9	W 105° 46' 53.0"	89.8	-20.6	SHORT
DA: SCA 4DR-4-2HN @ 0.0°									
Proposed Channel 31 29 dBuV/m F(50,10) Interfering contour = 143.3 km					NEW Channel 31 74 dBuV/m F(50,50) Service contour = 7.7 km				
Proposed Channel 31 74 dBuV/m F(50,50) Service contour = 15.7 km					NEW Channel 31 29 dBuV/m F(50,10) Interfering contour = 119.1 km				
Proposed Channel 31 46 dBuV/m F(50,10) Interfering contour = 62.4 km					NEW Channel 31 74 dBuV/m F(50,50) Service contour = 7.7 km				
Proposed Channel 31 74 dBuV/m F(50,50) Service contour = 15.7 km					NEW Channel 31 46 dBuV/m F(50,10) Interfering contour = 43.7 km				
KOSA-TV	APP	ICA BROADCASTING I, LTD.	31	226.0	734.6	N 31° 51' 50.0"	134.9	240.1	281.3
ODESSA		TX	BPCDT-19991029ADU	II	1166.0	W 102° 34' 41.0"	315.9	-41.2	SHORT
Digital channel									
Proposed Channel 31 20 dBuV/m F(50,10) Interfering contour = 194.0 km					KOSA-TV Channel 31 41 dBuV/m F(50,90) Service contour = 84.2 km				
Proposed Channel 31 74 dBuV/m F(50,50) Service contour = 15.7 km					KOSA-TV Channel 31 29 dBuV/m F(50,10) Interfering contour = 265.6 km				

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Title: Roswell 31(+)

Channel: 31 Offset: + (572-578 MHz) Analog
Database: FCC 7/11/2001 1:30:32 AM

ERP: 11.5 kW
HAAT: 108.0 m

Latitude: N 33° 24' 05.0"
Longitude: W 104° 22' 45.0"
Safety Zone: 32.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Zone	HAMSL(m)	(kW)	Longitude	-from	(km)
KENW	CP	EASTERN NEW MEXICO UNIVERSITY	32	190.2	82.6	N 34° 15' 08.0"	47.7	141.6	75.28
PORTALES		NM	BMPEDT-20010412ABN	II	1454.5	W 103° 14' 21.0"	228.4	66.29	CLEAR

Digital channel

Proposed Channel 31 89 dBuV/m F(50,50) Interfering contour = 6.7 km
Proposed Channel 31 74 dBuV/m F(50,50) Service contour = 15.7 km

KENW Channel 32 41 dBuV/m F(50,90) Service contour = 68.6 km
KENW Channel 32 89 dBuV/m F(50,50) Interfering contour = 14.2 km

>> End of channel 31 study <<