KENW - TV Eastern New Mexico University
Portales, NM

Thursday, June 07, 2001

Dataworld LPTV/TV Translator Channel Study

Job Title: Artesia NM 29-

Channel(s):	29 Offset: -
Coordinates:	N 32° 50' 39.0" W 104° 23' 35.0"
Effective radiated power:	1.2 kW
Antenna 79 m (259.1 ft) above average terrain	
Safety Zone:	32.0 km (19.9 mi)
TV translators included	

Dataworld LPTV/TV Translator Interference Study

Title: Artesia NM 29-
Channel: 29 Offset: - (560-566 MHz)Analog
Database: FCC 6/5/2001 5:03:51 AM

ERP: 1.2 kW
HAAT: 79.0 m

Latitude: N 32° 50' 39.0"
Longitude: W 104° 23' 35.0"
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)	(km)
NEW	APP	EASTERN NEW MEXICO UNIVERSITY	14 -	85.2	12.2	N 32° 26' 17.0"	166.6	46.30	13.84
CARLSBAD		NM BNPTT-20000829AOG		1090.9		W 104° 16' 42.0"	346.7	32.46	CLEAR
Proposed Channel 29 80 dBuV/m F(50,50) Interfering contour = 5.5 km						NEW Channel 14 74 dBuV/m F(50,50) Service contour = 8.4 km			
ALLOC		LAWRENCE P. O'SHAUGHNESSY	*15 +			N 32° 25' 09.0"	162.0	49.56	110.7
CARLSBAD		NM	II			W 104° 13' 47.0"	342.1	-61.1	SHORT
Assumed ERP: 5000 kW; HAAT: 610 m									
Proposed Channel 29 87 dBuV/m F(50,50) Interfering contour = 3.6 km						ALLOC Channel 15 64 dBuV/m F(50,50) Service contour = 107.0 km			
KRPV	APP	PRIME TIME CHRISTIAN B/CASTING,	28	115.0	50	N 33° 24' 58.0"	345.8	65.46	64.11
ROSWELL		NM BPCDT-19991018ABL	II	1247.0		W 104° 33' 59.0"	165.7	1.350	CLOSE
Digital channelDA: PRO PSILPD36AN/28-28 @ 155.0°									
Proposed Channel 29 89 dBuV/m F(50,50) Interfering contour = 3.2 km						KRPV Channel 28 41 dBuV/m F(50,90) Service contour = 60.9 km			
Proposed Channel 29 74 dBuV/m F(50,50) Service contour = 7.6 km						KRPV Channel 28 89 dBuV/m F(50,50) Interfering contour = 9.8 km			
NEW	APP	EASTERN NEW MEXICO UNIVERSITY	29 -	-105.0	1.2	N 33° 50' 39.0"	0.0	110.9	89.65
ARTESIA		NM BNPTT-20000829AOO		1082.9		W 104° 23' 35.0"	180.0	21.26	CLEAR
Proposed Channel 29 29 dBuV/m F(50,10) Interfering contour = 84.9 km						NEW Channel 29 74 dBuV/m F(50,50) Service contour = 4.8 km			
Proposed Channel 29 74 dBuV/m F(50,50) Service contour = 7.6 km						NEW Channel 29 29 dBuV/m F(50,10) Interfering contour = 74.5 km			
Proposed Channel 29 46 dBuV/m F(50,10) Interfering contour = 37.8 km						NEW Channel 29 74 dBuV/m F(50,50) Service contour = 4.8 km			
Proposed Channel 29 74 dBuV/m F(50,50) Service contour = 7.6 km						NEW Channel 29 46 dBuV/m F(50,10) Interfering contour = 25.8 km			
KHFT	LIC	RAMAR COMMUNICATIONS II, LTD.	29 +	159.0	75.9	N 32° 43' 28.0"	95.9	122.2	111.3
HOBBS		NM BLCT-20000424AAU	II	1256.0		W 103° 05' 46.0"	276.6	10.94	CLOSE
Proposed Channel 29 36 dBuV/m F(50,10) Interfering contour = 58.3 km						KHFT Channel 29 64 dBuV/m F(50,50) Service contour = 43.5 km			
Proposed Channel 29 74 dBuV/m F(50,50) Service contour = 7.6 km						KHFT Channel 29 46 dBuV/m F(50,10) Interfering contour = 103.7 km			
NEW	APP	PANHANDLE TELECASTING CO.	29 -	123.9	80	N 34° 26' 25.0"	31.3	208.3	180.2
CLOVIS		NM BNPTTL-20000830BLE		1433.8		W 103° 12' 37.0"	212.0	28.12	CLEAR
DA: JAM JA/LS-AA-16 @ 160.0°									
Proposed Channel 29 29 dBuV/m F(50,10) Interfering contour = 84.9 km						NEW Channel 29 74 dBuV/m F(50,50) Service contour = 13.3 km			
Proposed Channel 29 74 dBuV/m F(50,50) Service contour = 7.6 km						NEW Channel 29 29 dBuV/m F(50,10) Interfering contour = 172.5 km			
Proposed Channel 29 46 dBuV/m F(50,10) Interfering contour = 37.8 km						NEW Channel 29 74 dBuV/m F(50,50) Service contour = 13.3 km			
Proposed Channel 29 74 dBuV/m F(50,50) Service contour = 7.6 km						NEW Channel 29 46 dBuV/m F(50,10) Interfering contour = 80.6 km			
KWBQ	CP	ACME TV LICENSES OF NEW MEXICO,	29	1289.0	245	N 35° 12' 44.0"	324.8	324.1	314.0
SANTA FE		NM BPCDT-19991029AGH	II	3295.0		W 106° 26' 57.0"	143.7	10.09	CLOSE
Digital channel									
Proposed Channel 29 20 dBuV/m F(50,10) Interfering contour = 132.9 km						KWBQ Channel 29 41 dBuV/m F(50,90) Service contour = 131.7 km			
Proposed Channel 29 74 dBuV/m F(50,50) Service contour = 7.6 km						KWBQ Channel 29 29 dBuV/m F(50,10) Interfering contour = 306.4 km			
KWBQ	APP	ACME TV LICENSES OF NEW MEXICO,	29	1275.0	245	N 35° 12' 48.0"	324.8	324.3	313.4
SANTA FE		NM BMPCDT-20010323AAU	II	3289.0		W 106° 27' 00.0"	143.7	10.82	CLOSE
Digital channel									
Proposed Channel 29 20 dBuV/m F(50,10) Interfering contour = 132.9 km						KWBQ Channel 29 41 dBuV/m F(50,90) Service contour = 131.3 km			
Proposed Channel 29 74 dBuV/m F(50,50) Service contour = 7.6 km						KWBQ Channel 29 29 dBuV/m F(50,10) Interfering contour = 305.8 km			
NEW	APP	EASTERN NEW MEXICO UNIVERSITY	30 +	35.0	1.2	N 32° 50' 39.0"	0.0	0.000	9.747
ARTESIA		NM BNPTT-20000829AOQ		1082.9		W 104° 23' 35.0"	0.0	-9.75	SHORT
Proposed Channel 29 89 dBuV/m F(50,50) Interfering contour = 3.2 km						NEW Channel 30 74 dBuV/m F(50,50) Service contour = 4.8 km			
Proposed Channel 29 74 dBuV/m F(50,50) Service contour = 7.6 km						NEW Channel 30 89 dBuV/m F(50,50) Interfering contour = 2.1 km			

>> End of channel 29 study <<