

**Eastern New Mexico University  
Portales, NM**

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Tuesday, October 08, 2002

Dataworld FM Channel Study

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**Job Title: ENMU FM XLTR LAS VEGAS2**

Channel(s):	296 FT
Coordinates:	N 35° 37' 59.0" W 105° 14' 10.0"
Effective radiated power:	0.067 kW
Antenna 152 m (498.6 ft) above average terrain	
Safety Zone:	26.0 km (16.2 mi)
FM Translators included	

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**Title: ENMU FM XLTR LAS VEGAS2**

Channel: 296 FT (107.1 MHz)      Latitude: N 35° 37' 59.0"  
ERP: 0.067 kW      HAAT: 152.0 m      Longitude: W 105° 14' 10.0"  
Database: DW 10/7/2002 5:30:15 PM      Safety Zone: 26.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Freq	HAMSL(m)	(kW)	Longitude	-from	(km)
KBZU	Lic	Citadel Broadcasting Company	242 C	1260.0	20 H	N 35° 12' 44.0"	247.3	119.7	23.42
Albuquerque		NM	BLH-19870210KB	96.3	3277.5	20 V W 106° 26' 58.0"	66.6	96.26	CLEAR
Proposed Channel 296 FT 91 dBuV/m F(50,10) Interfering contour = 1.4 km					KBZU Channel 242 C 91 dBuV/m F(50,50) Service contour = 22.0 km				
KZNM	Lic	AGM-Nevada, LLC	294 C1	594.0	15.5 H	N 35° 47' 15.0"	278.8	118.0	75.54
Los Alamos		NM	BLH-19880209KC	106.7	3082.0	15.5 V W 106° 31' 35.0"	98.0	42.47	CLEAR
KKPL changed to KZNM 10/3/01 per #416 (10/10/01);					KZNM Channel 294 C1 60 dBuV/m F(50,50) Service contour = 72.2 km				
Proposed Channel 296 FT 80 dBuV/m F(50,10) Interfering contour = 3.4 km					KZNM Channel 294 C1 80 dBuV/m F(50,10) Interfering contour = 30.6 km				
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km									
K296EN	Lic	Eastern New Mexico University	296 FT	62.0		N 35° 37' 59.0"	0.0	0.001	45.85
Las Vegas		NM	BLFT-19960715TA	107.1	2095.0	0.067 V W 105° 14' 10.0"	0.0	-45.9	SHORT
DA: SCA CA5-150V @ 165.0°; Primary station: KENW-FM Portales, NM					K296EN Channel 296 FT 60 dBuV/m F(50,50) Service contour = 7.4 km				
Proposed Channel 296 FT 40 dBuV/m F(50,10) Interfering contour = 38.5 km					K296EN Channel 296 FT 40 dBuV/m F(50,10) Interfering contour = 24.5 km				
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km									
KNKT	Lic	Calvary Chapel-albuquerque, Inc.	296 C2	214.9	24.5 H	N 35° 03' 15.0"	246.8	160.9	141.4
Armijo		NM	BLH-19880422KC	107.1	1898.9	24.5 V W 106° 51' 31.0"	65.9	19.45	CLEAR
Proposed Channel 296 FT 40 dBuV/m F(50,10) Interfering contour = 38.5 km					KNKT Channel 296 C2 60 dBuV/m F(50,50) Service contour = 52.1 km				
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km					KNKT Channel 296 C2 40 dBuV/m F(50,10) Interfering contour = 129.9 km				
K297AE	Lic	Family Life Broadcasting System	297 FT	861.0	0.009 H	N 33° 24' 14.0"	191.6	252.3	36.76
Ruidoso		NM	BLFT-19951026TB	107.3	3300.0	0.009 V W 105° 46' 55.0"	11.3	215.5	CLEAR
Primary station: KFLQ Albuquerque, NM					K297AE Channel 297 FT 60 dBuV/m F(50,50) Service contour = 15.4 km				
Proposed Channel 296 FT 54 dBuV/m F(50,10) Interfering contour = 16.7 km					K297AE Channel 297 FT 54 dBuV/m F(50,10) Interfering contour = 25.3 km				
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km									
KEFE-FM1	CP	W. Russell Withers, Jr.	298 FB		3 H	N 35° 38' 16.0"	270.7	71.01	16.72
Los Alamos		NM	BPFTB-20000518ABG	107.5	2043.0	3 V W 106° 01' 12.0"	90.2	54.29	CLEAR
CP granted 8/2/2000 per 44792-8/7/2000;; DA: SCA CA5-FM/CP/RM @ 50.0°; Primary station: KQBA Los Alamos, NM; <b>Assumed HAAT: -1 m</b>					KEFE-FM1 Channel 298 FB 60 dBuV/m F(50,50) Service contour = 13.3 km				
Proposed Channel 296 FT 80 dBuV/m F(50,10) Interfering contour = 3.4 km					KEFE-FM1 Channel 298 FB 80 dBuV/m F(50,10) Interfering contour = 4.2 km				
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km									
KQBA	Lic	Hutton Media, LLC	298 C1	243.0	100 H	N 36° 05' 21.0"	305.6	87.62	71.05
Los Alamos		NM	BLH-19990622IB	107.5	2140.0	100 V W 106° 01' 41.0"	125.2	16.57	CLEAR
License granted 7/31/2000 per 44790-8/3/2000;					KQBA Channel 298 C1 60 dBuV/m F(50,50) Service contour = 67.7 km				
Proposed Channel 296 FT 80 dBuV/m F(50,10) Interfering contour = 3.4 km					KQBA Channel 298 C1 80 dBuV/m F(50,10) Interfering contour = 30.3 km				
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km									
K299AJ	Lic	Capstar TX, LP	299 FT	121.9	0.15 H	N 37° 15' 43.0"	308.0	299.9	13.07
Durango		CO	BLFT-19951023TI	107.7	2370.0	0.15 V W 107° 54' 19.0"	126.4	286.8	CLEAR
Primary station: KKFG Bloomfield, NM					K299AJ Channel 299 FT 60 dBuV/m F(50,50) Service contour = 12.5 km				
Proposed Channel 296 FT 100 dBuV/m F(50,10) Interfering contour = 0.6 km					K299AJ Channel 299 FT 100 dBuV/m F(50,10) Interfering contour = 0.8 km				
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km									

>> End of channel 296 FT study <<

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Dataworld FM Interference Study

**Title: ENMU FM XLTR LAS VEGAS2**

Channel: 296 FT (107.1 MHz)      Latitude: N 35° 37' 59.0"  
Database: FCC 10/4/2002 5:03:57 PM      ERP: 0.067 kW      HAAT: 152.0 m      Longitude: W 105° 14' 10.0"  
Safety Zone: 26.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Freq	HAMS(m)	(kW)	Longitude	-from	(km)
KBZU	LIC	CITADEL BROADCASTING COMPANY	242 C	1260.0	17.5 H	N 35° 12' 44.0"	247.3	119.7	22.39
ALBUQUERQUE		NM	BLH-19870210KB	96.3	3278.0	17.5 V	W 106° 26' 58.0"	66.6	97.28
Proposed Channel 296 FT 91 dBuV/m F(50,10) Interfering contour = 1.4 km					KBZU Channel 242 C 91 dBuV/m F(50,50) Service contour = 21.0 km				

ALLOC	USE	A.G.M.-NEVADA, L.L.C.	294 C1			N 35° 53' 00.0"	286.2	102.2	75.69
LOS ALAMOS		NM	106.7			W 106° 19' 24.0"	105.5	26.48	CLEAR

**Assumed ERP: 100 kW; HAAT: 299 m**

Proposed Channel 296 FT 80 dBuV/m F(50,10) Interfering contour = 3.4 km      ALLOC Channel 294 C1 60 dBuV/m F(50,50) Service contour = 72.3 km  
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km      ALLOC Channel 294 C1 80 dBuV/m F(50,10) Interfering contour = 33.7 km

K296EN	LIC	EASTERN NEW MEXICO UNIVERSITY	296 D	62.0		N 35° 37' 59.0"	0.0	0.000	45.85
LAS VEGAS		NM	BLFT-19960715TA	107.1	2095.0	0.067 V	W 105° 14' 10.0"	0.0	-45.9
DA: SCA CA5-150V @ 165.0°					K296EN Channel 296 D 60 dBuV/m F(50,50) Service contour = 7.4 km				
Proposed Channel 296 FT 40 dBuV/m F(50,10) Interfering contour = 38.5 km					K296EN Channel 296 D 40 dBuV/m F(50,10) Interfering contour = 24.5 km				
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km									

DK296CO	LIC	PHILIP D. VANDERHOOF	296 D	1239.0		N 35° 13' 02.0"	247.6	119.6	102.8
ALBUQUERQUE		NM	BLFT-19840604MB	107.1	3235.0	0.046 V	W 106° 27' 06.0"	66.9	16.89
DA: SCA CL-FM @ 225.0°					DK296CO Channel 296 D 60 dBuV/m F(50,50) Service contour = 30.4 km				
Proposed Channel 296 FT 40 dBuV/m F(50,10) Interfering contour = 38.5 km					DK296CO Channel 296 D 40 dBuV/m F(50,10) Interfering contour = 91.2 km				
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km									

ALLOC	USE	CALVARY CHAPEL OF ALBUQUERQUE, I	296 C2			N 34° 41' 46.0"	225.9	148.8	149.2
ARMIJO		NM	107.1			W 106° 24' 17.0"	45.2	-0.43	SHORT

**Assumed ERP: 50 kW; HAAT: 150 m**

Proposed Channel 296 FT 40 dBuV/m F(50,10) Interfering contour = 38.5 km      ALLOC Channel 296 C2 60 dBuV/m F(50,50) Service contour = 52.2 km  
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km      ALLOC Channel 296 C2 40 dBuV/m F(50,10) Interfering contour = 137.7 km

K297AE	LIC	FAMILY LIFE BROADCASTING SYSTEM	297 D	861.0	0.009 H	N 33° 24' 14.0"	191.6	252.3	36.76
RUIDOSO		NM	BLFT-19951026TB	107.3	3300.0	0.009 V	W 105° 46' 55.0"	11.3	215.5
Proposed Channel 296 FT 54 dBuV/m F(50,10) Interfering contour = 16.7 km					K297AE Channel 297 D 60 dBuV/m F(50,50) Service contour = 15.4 km				
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km					K297AE Channel 297 D 54 dBuV/m F(50,10) Interfering contour = 25.3 km				

ALLOC	USE	JEFFREY ROCHLIS	298 C1			N 36° 01' 34.0"	310.6	67.41	75.69
LOS ALAMOS		NM	107.5			W 105° 48' 18.0"	130.3	-8.28	SHORT

**Assumed ERP: 100 kW; HAAT: 299 m**

Proposed Channel 296 FT 80 dBuV/m F(50,10) Interfering contour = 3.4 km      ALLOC Channel 298 C1 60 dBuV/m F(50,50) Service contour = 72.3 km  
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km      ALLOC Channel 298 C1 80 dBuV/m F(50,10) Interfering contour = 33.7 km

KQBA	CP	HUTTON MEDIA, L.L.C.	298 C1	243.0	100 H	N 36° 05' 21.0"	305.6	87.62	71.05
LOS ALAMOS		NM	BMPH-19990622IB	107.5	2140.0	100 V	W 106° 01' 41.0"	125.2	16.57
Proposed Channel 296 FT 80 dBuV/m F(50,10) Interfering contour = 3.4 km					KQBA Channel 298 C1 60 dBuV/m F(50,50) Service contour = 67.7 km				
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km					KQBA Channel 298 C1 80 dBuV/m F(50,10) Interfering contour = 30.3 km				

KQBA	LIC	HUTTON MEDIA, L.L.C.	298 C1	243.0	100 H	N 36° 05' 21.0"	305.6	87.62	71.05
LOS ALAMOS		NM	BLH-20000410ABB	107.5	2140.0	100 V	W 106° 01' 41.0"	125.2	16.57
Proposed Channel 296 FT 80 dBuV/m F(50,10) Interfering contour = 3.4 km					KQBA Channel 298 C1 60 dBuV/m F(50,50) Service contour = 67.7 km				
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km					KQBA Channel 298 C1 80 dBuV/m F(50,10) Interfering contour = 30.3 km				

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**Title: ENMU FM XLTR LAS VEGAS2**

Channel: 296 FT (107.1 MHz)      Latitude: N 35° 37' 59.0"  
ERP: 0.067 kW      HAAT: 152.0 m      Longitude: W 105° 14' 10.0"  
Database: FCC 10/4/2002 5:03:57 PM      Safety Zone: 26.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Freq	HAMSL(m)	(kW)	Longitude	-from	(km)
K299AJ	LIC	CAPSTAR TX LIMITED PARTNERSHIP	299 D	122.0	0.15 H	N 37° 15' 43.0"	308.0	299.9	13.07
DURANGO		CO	BLFT-19951023TI	107.7	2370.0	0.15 V W 107° 54' 19.0"	126.4	286.8	CLEAR

Proposed Channel 296 FT 100 dBuV/m F(50,10) Interfering contour = 0.6 km      K299AJ Channel 299 D 60 dBuV/m F(50,50) Service contour = 12.5 km  
Proposed Channel 296 FT 60 dBuV/m F(50,50) Service contour = 11.5 km      K299AJ Channel 299 D 100 dBuV/m F(50,10) Interfering contour = 0.8 km

>> End of channel 296 FT study <<