

W106° 0'

W105° 40'

W105° 20'

KTS - SAN ANTONIO 210-832-0883

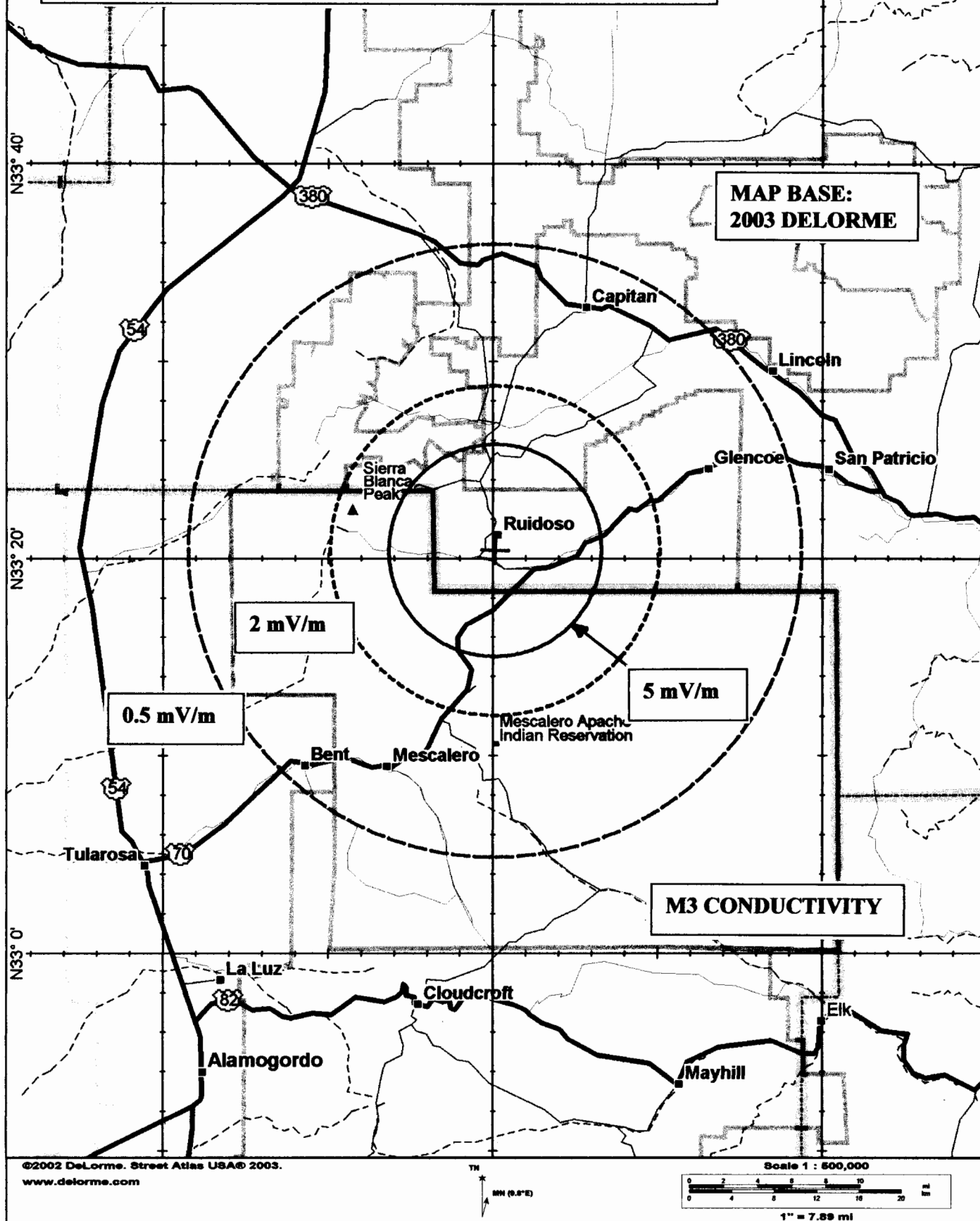
[gkeener1@satx.rr.com](mailto:gkeener1@satx.rr.com)

NEW 1450, RUIDOSO, NM

EXHIBIT 12

DAY CONTOURS MAP

MAP BASE:  
2003 DELORME



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**NEW 1450, RUIDOSO, NM**  
**EXHIBIT 12.1**  
**DAY COMMUNITY COVERAGE**

**MAP BASE:  
2003 DELORME**

**PROPOSED**

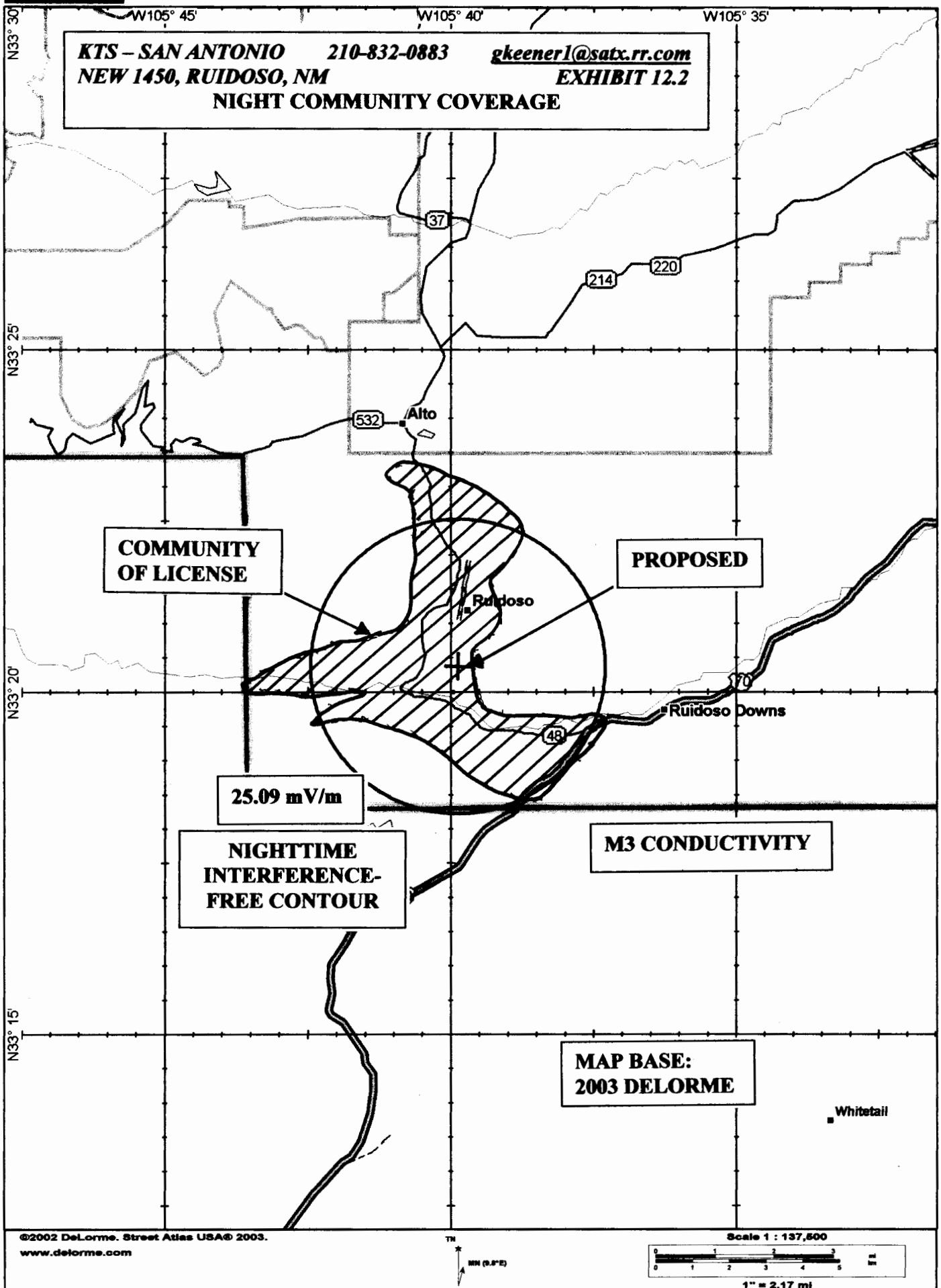
**COMMUNITY  
OF LICENSE**

**5 mV/m**

**M3 CONDUCTIVITY**

Whitetail

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**NEW 1450, RUIDOSO, NM EXHIBIT 12.2**  
**NIGHT COMMUNITY COVERAGE**



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**NEW 1450, RUIDOSO, NM EXHIBIT 12.3**  
**NIGHT LIMITS STUDY**

Nighttime Skywave Limits Study  
 NEW 1450 kHz 33-20-23 N 105-39-54 W  
 Class:C RUIDOSO, NM, US

KRZY	L(AUU)	1450 US NM ALBUQUERQUE	13.376	218 km	BL-19941007AB
KOBE	L( )	1450 US NM LAS CRUCES	12.679	157 km	BL-
KSEL	L( )	1450 US NM PORTALES	12.299	237 km	BL-20020830AFA
NEW	A( )	1450 US TX KERMIT	11.764	291 km	BNP-20040129AAW
KLMX	L( )	1450 US NM CLAYTON	9.488	412 km	BL-
XEARE	O( O )	1450 MX CH OJINAGA	9.242	438 km	-
KVSL	L( )	1450 US AZ SHOW LOW	8.659	413 km	BL-20001005AGY
KDAP	L( )	1450 US AZ DOUGLAS	8.295	427 km	BL-19821213AC
KSNY	L( )	1450 US TX SNYDER	8.288	445 km	BL-
KGIW	L( )	1450 US CO ALAMOSA	7.697	460 km	BL-
KWFM	L( )	1450 US AZ TUCSON	6.857	510 km	BL-
NEW	A( )	1450 US NM CARLSBAD	6.847	170 km	BNP-20040128AGI
XE0053	P( A )	1450 MX CH CD.DELICIAS	6.121	570 km	-
KWHW	A( )	1450 US OK ALTUS	5.937	601 km	BP-20040604AAE
KAVP	L( )	1450 US CO COLONA	5.589	590 km	BL-20001220ADR
NEW	A( )	1450 US TX MONAHANS	5.351	325 km	BNP-20040129AAP
KWHW	L( )	1450 US OK ALTUS	5.224	601 km	BL-
KSIW	L( )	1450 US OK WOODWARD	5.179	666 km	BL-
KMBL	L( )	1450 US TX JUNCTION	5.082	641 km	BL-
KNOT	L( )	1450 US AZ PRESCOTT	5.001	640 km	BL-19840326AF
KGRE	L(A )	1450 US CO GREELEY	4.599	794 km	BL-
XEPE	O( O )	1450 MX SO EMPALME	4.383	783 km	-
XEBP	O( O )	1450 MX DU GOMEZ PALACIO	4.355	890 km	-
KBEN	L( )	1450 US TX CARRIZO SPRINGS	4.242	770 km	BL-
NEW	A( )	1450 US NM FLORA VISTA	4.012	445 km	BNP-20040130ACZ
NEW	A( )	1450 US TX FORT STOCKTON	3.930	368 km	BNP-20040126AAM
XEGU	O( A )	1450 MX SI EL FUERTE	3.925	821 km	-
XECB	O( O )	1450 MX SO SAN LUIS RIO COL	3.860	857 km	-
KCYL	L(UUU)	1450 US TX LAMPASAS	3.842	750 km	BL-19970123AB
KGFF	L( )	1450 US OK SHAWNEE	3.641	835 km	BL-
RSS Protection Limits with Exclusion					
KRZY	L(AUU)	1450 US NM ALBUQUERQUE	LIM: 13.376	RSS: 13.38	218 km
KOBE	L( )	1450 US NM LAS CRUCES	LIM: 12.679	RSS: 18.43	157 km
KSEL	L( )	1450 US NM PORTALES	LIM: 12.299	RSS: 22.16	237 km
NEW	A( )	1450 US TX KERMIT	LIM: 11.764	RSS: 25.09	291 km
50% Exclusion RSS 25.09 mV/m ←					
KLMX	L( )	1450 US NM CLAYTON	LIM: 9.488	RSS: 26.82	412 km
XEARE	O( O )	1450 MX CH OJINAGA	LIM: 9.242	RSS: 28.37	438 km
KVSL	L( )	1450 US AZ SHOW LOW	LIM: 8.659	RSS: 29.66	413 km
KDAP	L( )	1450 US AZ DOUGLAS	LIM: 8.295	RSS: 30.80	427 km
KSNY	L( )	1450 US TX SNYDER	LIM: 8.288	RSS: 31.89	445 km
25% Exclusion RSS 31.89 mV/m Requires Protection of 7.974 mV/m					
KGIW	L( )	1450 US CO ALAMOSA	LIC. NEXT 7.697	460 km	