

EXHIBIT E-1

CONTOUR PROTECTION  
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WALDEN, COLORADO  
FCC FORM 301  
MARCH 2006

This exhibit will show compliance with contour protection rules under the provisions of section 73.215, towards one other station, KKQZ Wellington, Colorado.

Figure 1 shows a channel spacing study conducted from the new proposed site located at N 40 – 39' – 51", W 106 – 24' – 44". It shows that from the new site, the new FM for Walden, Colorado will meet all of the spacing requirements under 73.207, with the exception of KKQZ Wellington, Colorado.

The new FM for Walden, Colorado meets the minimum distance requirements under 73.215 towards KKQZ. KKQZ is spaced 111.02 kilometers from the proposed new station at Walden. The minimum required spacing under 73.215 is 106 kilometers.

Next, the new FM at Walden and KKQZ, were evaluated for contour overlap. First, KKQZ was adjusted for operation at its maximum class facilities, as a class C3. A contour map was plotted for KKQZ against the proposed contours of the new station operating on Channel 231C2 at its new proposed site. It is proposed to operate the new station at Walden with an Effective Radiated Power of 44 Kilowatts with an antenna Height Above Average Terrain of 150 Meters. This is less than the maximum allowed for full class C2 station, but an ERP and height greater than allowed for by a Class C3 station.

Figure 2 shows the contours of KKQZ (232C3) Wellington, CO., operating at maximum facilities and the proposed operation at Walden. The 54 DBU interference

contour generated by either station does not overlap the 60 DBU protected contour of either station.

It was concluded that the proposed operation at Walden, Colorado on channel 231C2 at its new tower site and class will meet all of the provisions under section 73.215 of the Commissions rules.

EXHIBIT E-1, Figure 1, Kevin J. Youngers  
Channel Spacing Study, Walden, Colorado

REFERENCE

40 39 51 N.  
106 24 44 W.

CLASS = C2

Current Spacings

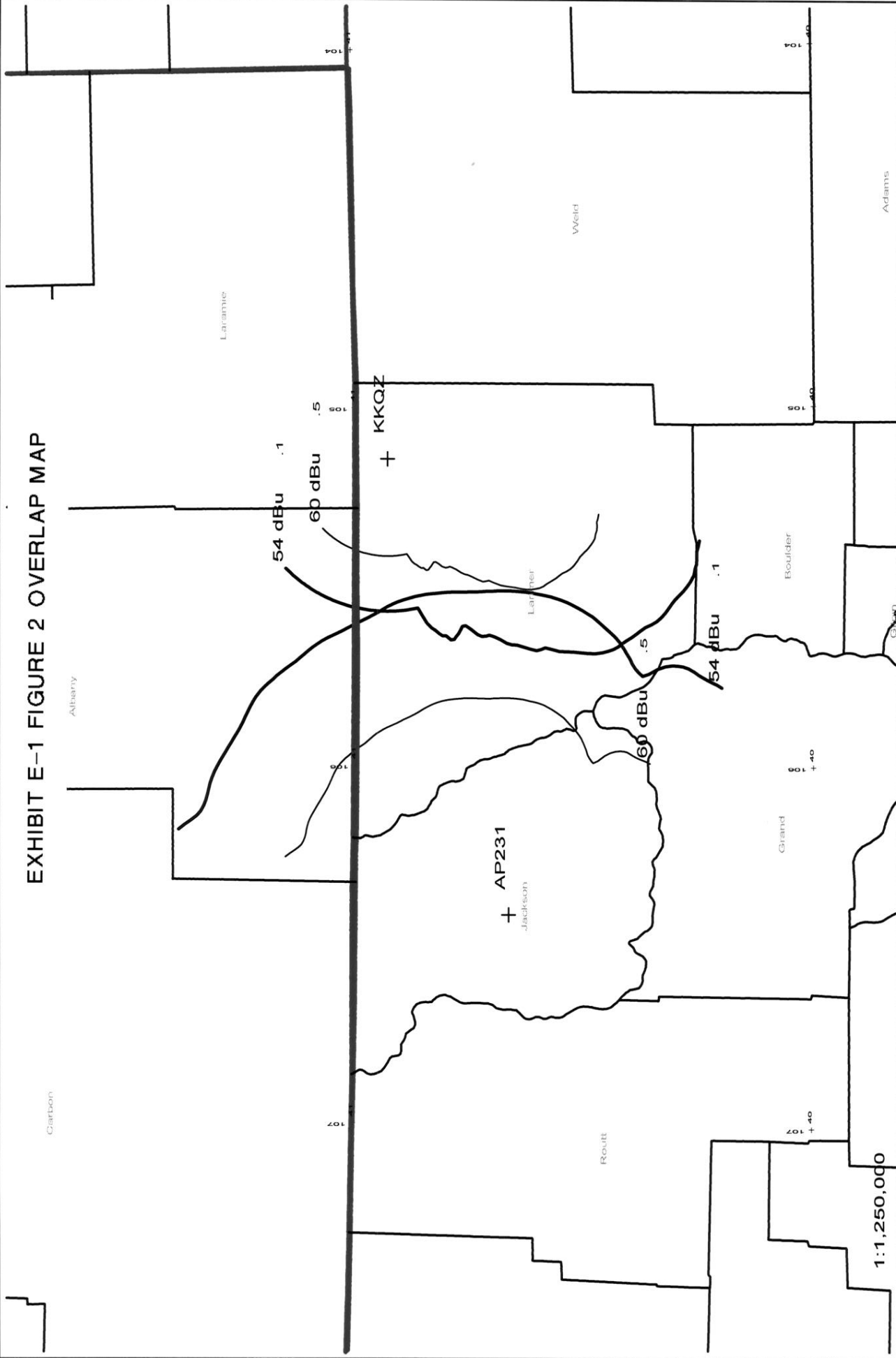
DISPLAY DATES

DATA 03-03-06  
SEARCH 03-06-06

----- Channel 231 - 94.1 MHz -----

Call	Channel	Location		Azi	Dist	FCC	Margin
AP231	APP	231C2	Walden	CO	142.6	0.07	190.0 -189.93
AU062	VAC	231C2	Walden	CO	298.1	8.08	190.0 -181.92
AP231	APP	231C2	Walden	CO	298.1	8.08	190.0 -181.92
KKQZ	LIC	232C3	Wellington	CO	74.2	111.02	117.0 -5.98
KRKFSM	LIC-D	234C	Lafayette	CO	126.0	111.37	105.0 6.37
KYSL	LIC	230A	Frisco	CO	168.3	125.62	106.0 19.62
KRAIFM	LIC	229C1	Craig	CO	264.9	101.65	79.0 22.65
KKXK	LIC	231C	Montrose	CO	202.5	279.02	249.0 30.02
RDEL	DEL	234C	Lafayette	CO	144.1	135.19	105.0 30.19
KNEBFM	LIC	231C1	Scottsbluff	NE	62.3	256.52	224.0 32.52
RADD	ADD	234C0	Lafayette	CO	144.1	135.19	89.0 46.19
KILO	LIC	232C	Colorado Springs	CO	147.6	251.10	188.0 63.10
KSKEFM	LIC	284C1	Vail	CO	181.5	114.34	27.0 87.34
KSHF.C	CP	229C3	Cheyenne	WY	69.6	154.05	56.0 98.05
KSHF	RSV	229C3	Cheyenne	WY	69.6	154.05	56.0 98.05
KJEB	LIC	233C3	New Castle	CO	218.3	154.98	56.0 98.98
RDEL	DEL	228A	Leadville	CO	176.5	157.59	55.0 102.59
KTAK	LIC	230C1	Riverton	WY	328.4	270.06	158.0 112.06
RDEL	DEL	228A	Aspen	CO	192.1	167.31	55.0 112.31
AL228	VAC	228A	Aspen	CO	192.1	167.31	55.0 112.31
AU062	VAC	234A	Wamsutter	WY	311.1	172.18	55.0 117.18
AP234	APP	234A	Wamsutter	WY	311.1	172.18	55.0 117.18
KXRQ	LIC-Z	232C1	Roosevelt	UT	267.8	279.36	158.0 121.36
KMLD	LIC	233C	Casper	WY	1.6	230.00	105.0 125.00
KRRR	LIC-N	285C2	Cheyenne	WY	69.6	154.05	20.0 134.05
AP228	APP	228C1	Casper	WY	2.1	230.90	79.0 151.90
AU062	VAC	228C1	Casper	WY	0.6	236.77	79.0 157.77
AP228	APP	228C1	Casper	WY	0.6	236.77	79.0 157.77
RADD	ADD	233C3	Pine Bluffs	WY	77.9	215.04	56.0 159.04
NEW .C	CP -N	231C2	Idalia	CO	106.0	370.85	190.0 180.85
KSBV	LIC	229C2	Salida	CO	171.9	248.63	58.0 190.63
KTRFSM	LIC	284C1	Casper	WY	2.1	231.12	27.0 204.12
KTRFSM	APP	284C1	Casper	WY	2.1	231.12	27.0 204.12
KXRQ.C	CP	234C2	Roosevelt	UT	263.5	281.79	58.0 223.79
DKIIQ	LIC	229A	Limon	CO	122.9	279.77	55.0 224.77
AL228	VAC	228A	Manila	UT	278.4	281.50	55.0 226.50
AP284	APP	284A	Calhan	CO	139.6	252.52	15.0 237.52
RADD	ADD	230C2	Kemmerer	WY	291.1	369.02	130.0 239.02
AU062	VAC	284A	Calhan	CO	134.0	258.55	15.0 243.55
AP284	APP	284A	Calhan	CO	134.0	258.55	15.0 243.55
KNNG	LIC	284C1	Sterling	CO	90.7	286.14	27.0 259.14
NEW .C	CP -N	233C3	Yuma	CO	101.4	326.12	56.0 270.12
NEW .C	CP	234C1	Chadron	NE	50.4	351.98	79.0 272.98

# EXHIBIT E-1 FIGURE 2 OVERLAP MAP



Scale in km  
 0 10 20 30 40 50 60 70

AP231 231C2 44kW 2644M AMSL  
 KKQZ 232C3 25kW 2063M AMSL

AP231 vs KKQZ  
 - 03/06