

Exhibit12
Montrose,CO

REFERENCE CH# 220D - 91.9 MHz, Pwr= 0.01 kW, HAAT=864.0 M, COR= 2893 M DISPLAY DATES
38 23 16 N Average Protected F(50-50)= 16.06 km DATA 07-28-04
107 40 28 W Ave. F(50-10) 40 dBu= 59.5 54 dBu= 26.1 80 dBu= 2.2 100 dBu= .2 SEARCH 07-29-04

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	COR (M) INT (km)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
220D Montrose	K220CD	LIC DCN CO	345.9 165.9	16.32 BLFT19880222TD	38 31 49 107 43 13	0.023 54	2416 17.2	5.3 Educational Media Foundati	-14.44	-38.88
220A Lake City	AP220	APP CN CO	144.4 324.4	53.58 BNPED20000222ACD	37 59 43 107 19 06	0.100 -10	3556 18.6	5.6 North Fork Valley Public R	31.86	37.79
220D Delta	AP220	APP V CO	314.3 134.3	59.82 BNPFT20000329AAB	38 45 44 108 10 05	0.017 42	1597 13.5	4.3 Calvary Chapel Of Twin Fal	30.82	-1.40
223D Cimmaron	AP223	APP H CO	150.5 330.5	6.35 BNPFT20030811ADW	38 20 17 107 38 19	0.010 626	3101 0.2	14.0 Professional Antenna, Towe	2.97	-7.88*
223D Cimmaron	AP223	APP H CO	150.5 330.5	6.35 BNPFT20030314BEW	38 20 17 107 38 19	0.010 626	3101 0.2	14.0 Professional Antenna, Towe	2.97	-7.88*
219C3 Telluride	KOTO	LIC CX CO	210.2 30.2	49.94 BLED20030221AAK	37 59 57 107 57 42	0.500 510	3369 54.1	34.9 San Miguel Educational Fun	-18.23	-7.04
220D Gunnison	K220AH	LIC HN CO	77.1 257.1	68.66 BLFT19910719TA	38 31 24 106 54 25	0.021 269	2632 38.5	11.5 Educational Media Foundati	18.65	17.71
220C2 Glenwood Springs	KLXV	LIC E CO	12.4 192.4	117.95 BLED20030107AAH	39 25 30 107 22 46	1.000 376	3261 93.4	35.1 Educational Media Foundati	12.48	40.49
220C2 Glenwood Springs	KLXV.C	CP EX CO	12.4 192.4	117.95 BPED20030708ABW	39 25 30 107 22 46	0.750 376	3261 89.4	32.8 Educational Media Foundati	16.43	42.73
218D Montrose	K218BG	LIC DCN CO	312.8 132.8	21.22 BLFT19921209TB	38 31 02 107 51 12	0.200 -79	1928 1.0	6.7 Public Broadcasting Of Col	4.68	14.29
220D Creede	AP220	APP C CO	140.4 320.4	85.49 BNPFT20000128AAO	37 47 36 107 03 17	0.010 566	3881 48.9	13.3 Equal Representation Of Me	30.31	51.40
218D Ouray	K218BE	LIC DHN CO	179.7 359.7	38.33 BLFT19901203TG	38 02 33 107 40 19	0.057 296	2937 0.5	15.4 Public Broadcasting Of Col	28.91	22.68
219D Paonia & Hotchkiss	K219AH	LIC DHN CO	6.4 186.4	52.26 BLFT19851028TA	38 51 20 107 36 25	0.002 -69	1777 3.0	2.2 North Fork Christian Radio	37.04	31.61
218D Norwood	K218BH	LIC DEN CO	260.1 80.1	46.68 BLFT19910916TB	38 18 52 108 12 01	0.002 387	3062 0.1	6.9 Educational Media Foundati	30.81	39.59
218D Silverton	K218BF	LIC V CO	178.6 358.6	63.07 BLFT19950403TC	37 49 11 107 39 26	0.009 -511	2900 0.2	3.1 Public Broadcasting Of Col	54.36	59.78
221D Crested Butte	K221DY	CP C CO	46.6 226.6	83.53 BNPFT20030814ABC	38 54 07 106 58 26	0.034 -53	2981 6.1	4.3 Educational Communications	65.74	61.99
06NT Cimarron	K06AM	LI DHN CO	87.6 267.6	21.47 BLTTV4861	38 23 44 107 25 44	0.002 362	2794	15.6 Gunnison County Metro. Rec	To Grd B=	5.85

ERP and HAAT are on direct line to and from reference station.
"*"Affixed to 'IN' or 'Out' values = site inside protected contour.

Exhibit 12 (Compliance with CFR 74.1204)

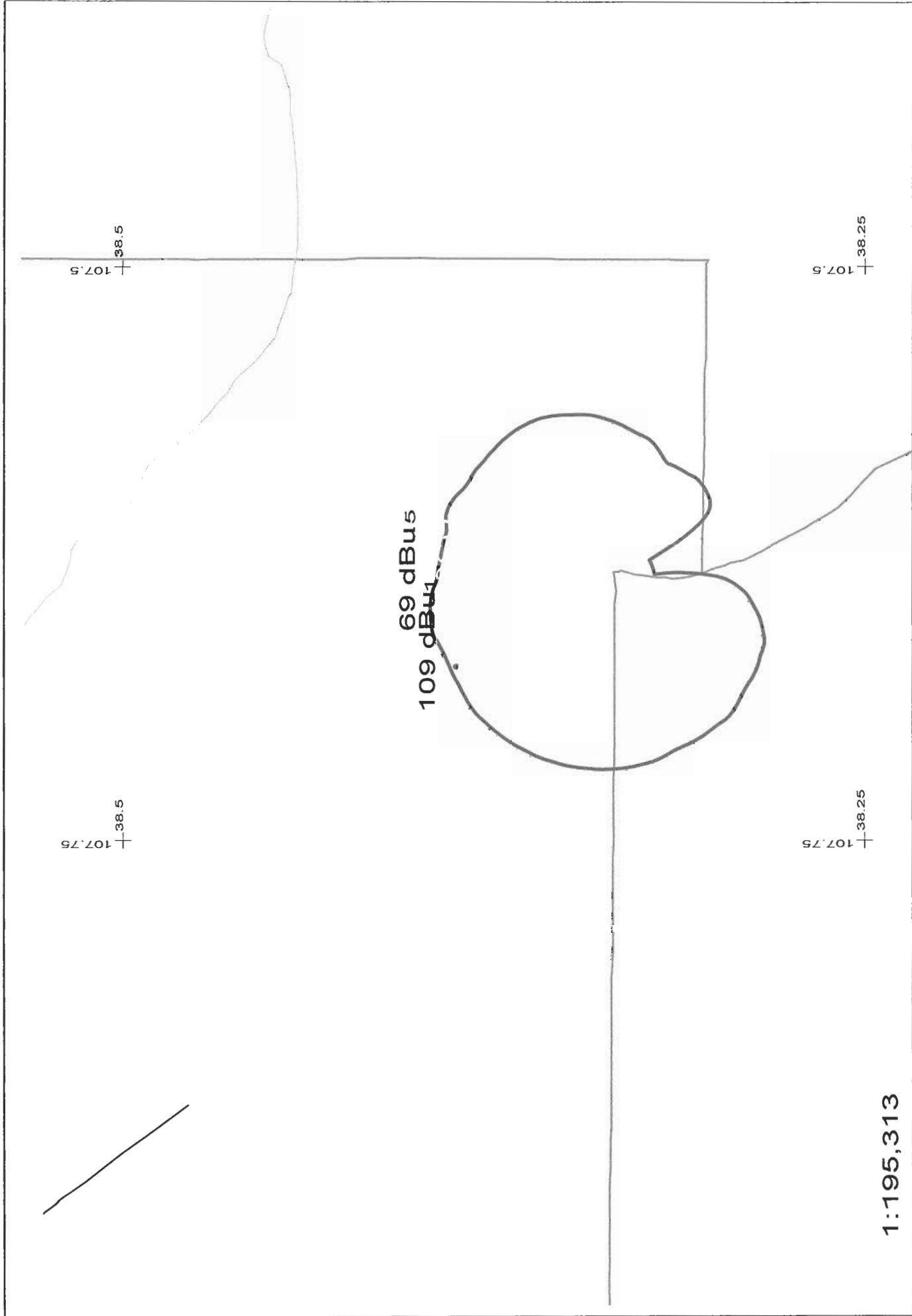
The proposed FM Translator is located within the protected 60 dBu contour of third adjacent channel application AP223, channel 223D, Cimmaron, CO. The predicted F(50-50) field strength of AP223 at the proposed translator site is 69 dBu, see Exhibit 12A. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 109 dBu. This interfering contour extends less than 79 meters from the proposed transmit antenna, and the area of overlap is unpopulated.

Two factors have been investigated to determine this absence of population:

1) Computer software which uses the centroid method of determining population centers, based on the 2000 census data, has determined that there are no persons within the area of overlap.

2) Examination of the USGS topographic map reveals no regularly occupied structures within the area of overlap.

Therefore, EMF respectfully requests a waiver of C.F.R. 74.1204 based on no population within the area of predicted interference.



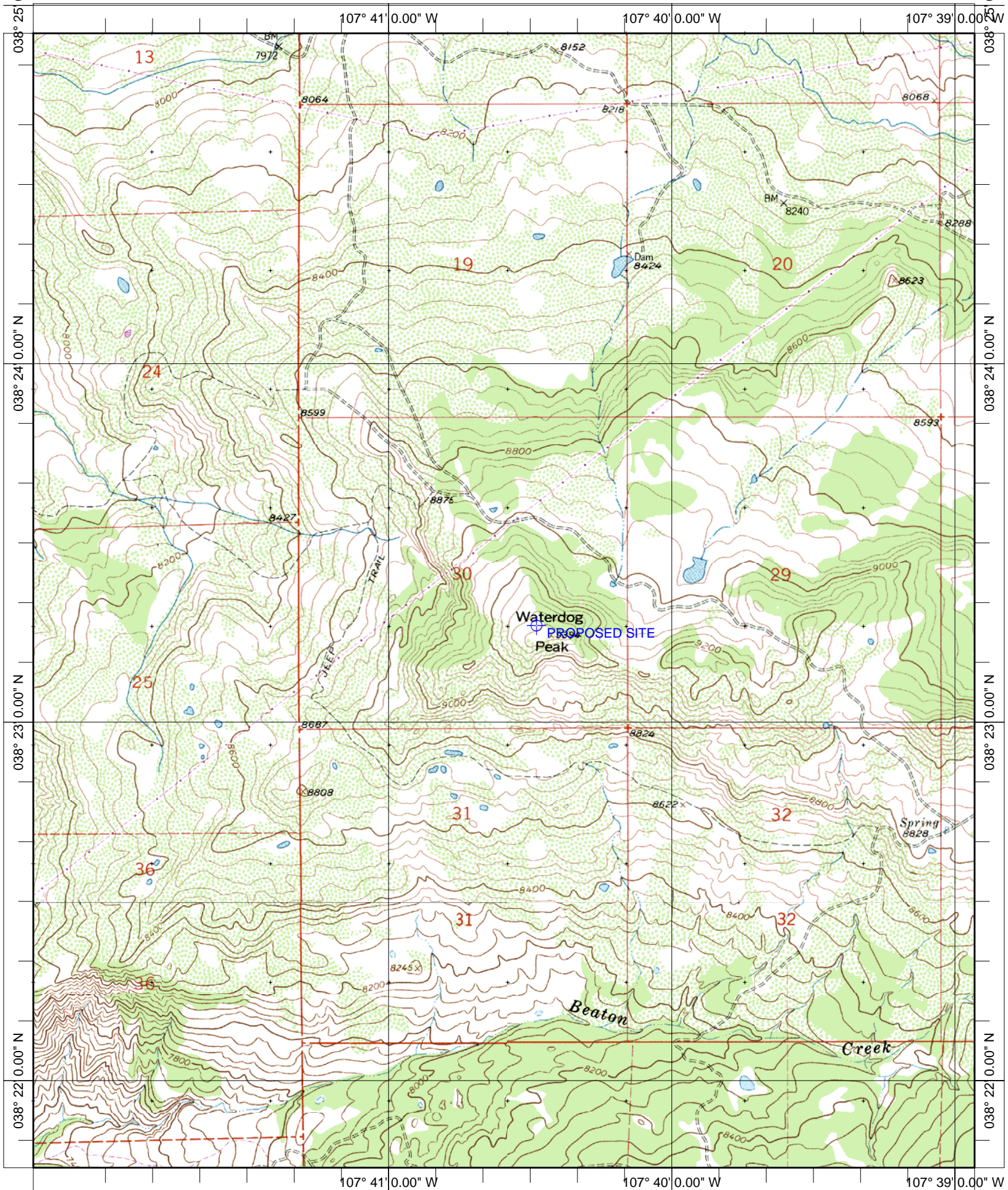
1:195,313

Scale in km



K220CD 220D .01kW 2993M AMSIEXhibit 12A

N. Lat. 38 23 16 W. Lng. 107 40 28 EMF - 07/04



Name: CERRO SUMMIT
Date: 7/30/2004
Scale: 1 inch equals 2000 feet

Location: 038° 23' 20.3" N 107° 40' 35.5" W
Caption: Exhibit 12
Site 38-23-16 / 107-40-28