

Exhibit 12
Vail, CO

REFERENCE CH# 215D - 90.9 MHz, Pwr= 0.01 kw, HAAT=795.9 M, COR= 3455 M DISPLAY DATES
39 36 17 N Average Protected F(50-50)= 15.6 km DATA 03-25-04
106 21 33 W Ave. F(50-10) 40 dBu= 57.3 54 dBu= 25.1 80 dBu= 2.2 100 dBu= .2 SEARCH 03-30-04

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*
215D Vail, Etc.	K215BV	APP DC CO	0.0 180.0	0.00 BPFT20031218ABU	39 36 17 106 21 33	0.000 475	3455 6.9	0.0 Educational	-1.06*	-6.89 Media Foundati
215D Vail, Etc.	K215BV	LIC DVN CO	279.4 99.4	7.83 BLFT19940223TA	39 36 58 106 26 57	0.075 -444	2731 61.5	5.2 Educational	-25.58*	-58.92 Media Foundati
215D Dillon	K218DM	LIC VN CO	87.6 267.6	25.09 BLFT19970121TD	39 36 50 106 04 02	0.082 -555	2864 23.2	5.4 Educational	0.66	-3.44 Media Foundati
215D Thomasville	K215BC	LIC HN CO	225.0 45.0	39.46 BLFT19890224TH	39 21 12 106 41 00	0.019 -659	2651 38.2	3.7 Pitkin County Translator	17.99	-2.48
217C3 Gypsum	KLRY.C	CP CN CO	281.8 101.8	27.91 BPED19980417MC	39 39 20 106 40 39	0.800 555	2843 0.2	40.8 Educational	9.69	-13.15* Media Foundati
216C Morrison	KLDV	LIC DCN CO	89.9 269.9	98.73 BLEDT19860908KB	39 36 00 105 12 35	60.294 49	2448 9.7	34.6 Educational	32.30	54.44 Media Foundati
212A Frisco	990903	APP CX CO	84.4 264.4	23.96 BPED19990903MA	39 37 31 106 04 53	0.400 -547	2817 0.2	8.0 Educational	14.54	15.74 Communications
215D Snowmass Village	K215AC	LIC DV CO	227.9 47.9	63.86 BLFT20020614AAT	39 13 08 106 54 33	0.000 -168	2651 35.0	0.0 Roaring Fork Public Radio,	54.32	28.86
216C0 Morrison	KLDV.C	CP EN CO	89.9 269.9	98.73 BPED20010601AGJ	39 36 00 105 12 35	100.000 62	2461 9.7	42.6 Educational	19.53	46.48 Media Foundati
216C0 Morrison	KLDV.A	APP EX CO	89.9 269.9	98.73 BPED20040315ACB	39 36 00 105 12 35	100.000 49	2448 9.7	38.6 Educational	23.44	50.46 Media Foundati
214A Leadville	990329	APP CN CO	158.0 338.0	40.80 BPED19990329MC	39 15 51 106 10 52	0.100 603	4025 5.7	25.9 Trustees of The Un Of Nort	-2.84	9.29
218A Leadville	990903	APP CX CO	171.6 351.6	39.93 BPED19990903MB	39 14 56 106 17 30	0.300 -82	3102 0.0	7.4 Educational	37.41	32.50 Communications
218D Dillon	K218DM	CP C CO	87.6 267.6	25.09 BPFT20010621AAP	39 36 50 106 04 02	0.082 -555	2864 0.2	5.4 Educational	17.56	19.51 Media Foundati
215D Redstone	K215BD	LIC HN CO	241.5 61.5	84.89 BLFT19890224TI	39 14 18 107 13 28	0.019 -493	2573 36.5	3.7 Pitkin County Translator	62.50	44.68
218A Aspen	KAJX	LIC DEN CO	220.2 40.2	59.33 BLEDT19910514KC	39 11 48 106 48 14	0.023 -491	2670 0.1	3.9 Roaring Fork Public Radio	50.35	55.35
213C2 Carbondale	KDNK.A	APP DCN CO	256.9 76.9	89.30 BPED20031126ASI	39 25 08 107 22 10	0.358 1131	3227 0.2	48.2 Carbondale Community Acces	75.18	40.90
217D Eagle	K217DB	LIC VN CO	276.0 96.0	43.20 BLFT19990204TH	39 38 39 106 51 35	0.092 -183	2146 0.2	5.5 Educational	26.46	37.46 Media Foundati
216D Aspen	K216BF	LIC HN CO	222.6 42.6	57.81 BLFT19890224TJ	39 13 16 106 48 47	0.019 32	3185 15.5	3.8 Pitkin County Translator	43.06	38.49
215D Estes Park	K215BE	LIC HN CO	40.1 220.1	110.35 BLFT19890321TF	40 21 38 105 31 13	0.018 -468	2719 19.3	3.6 Community Radio For Northe	93.01	87.39
213C3 Carbondale	KDNK	LIC CN CO	257.6 77.6	89.99 BLEDT19930913KF	39 25 35 107 22 48	0.215 1178	3252 0.2	44.0 Carbondale Community Acces	75.85	45.76
215A Paonia	KVNF	LIC CN CO	234.4 54.4	138.83 BLEDT19910325KA	38 52 20 107 39 45	3.000 -91	2072 33.0	13.2 North Fork Valley Public R	75.95	92.61
215C0 Chugwater	KLWV.A	APP WY CX	21.7 201.7	204.44 BMPED20031211ABI	41 18 39 105 27 12	100.000 326	2765 10.4	74.3 Educational	26.49	119.70 Media Foundati
215C0 Chugwater	KLWV.C	CP WY CN	21.7 201.7	204.44 BPED19980825MB	41 18 39 105 27 12	100.000 292	2731 10.4	71.7 Educational	30.34	122.27 Media Foundati
213C Colorado Springs	KTLF	LIC CO VX	126.0 306.0	160.84 BLEDT20020116AAC	38 44 43 104 51 39	20.000 99	2914 0.2	37.2 Educational	151.15	123.48 Communications
212A Crested Butte	KBUT	LIC CN CO	214.3 34.3	94.21 BLEDT19981125KH	38 54 11 106 58 23	0.225 -539	2985 0.1	6.9 Crested Butte Mtn Educ. Ra	86.42	87.21

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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*
216D Cardiff	K216ES	LIC C CO	264.9 84.9	84.80 BLFT20020501AAK	39 31 58 107 20 30	0.014 -313	2283 23.6	3.4 Make A Difference Foundati	65.16	57.80
214D Walden	K214AW	LIC DHN CO	341.0 161.0	88.15 BLFT19890321TE	40 21 16 106 41 55	0.000 293	3236 6.1	0.0 Community Radio For Northe	84.77	82.05
214D Steamboat Springs	K214AK	LIC DHN CO	341.0 161.0	88.15 BLFT19870803TD	40 21 16 106 41 55	0.000 293	3236 6.1	0.0 Trustees Of The Univ Of No	84.77	82.05
06+T Glenwood Springs	K06LX	LI DHN CO	265.5 85.5	81.10 BLTTV19880613IB	39 32 38 107 17 59	0.000 -211	2459 205.4	0.0 Rocky Mt. Public B/c Netwo	To Grd B=	48.35

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

Exhibit 12 (Compliance with CFR 74.1204)

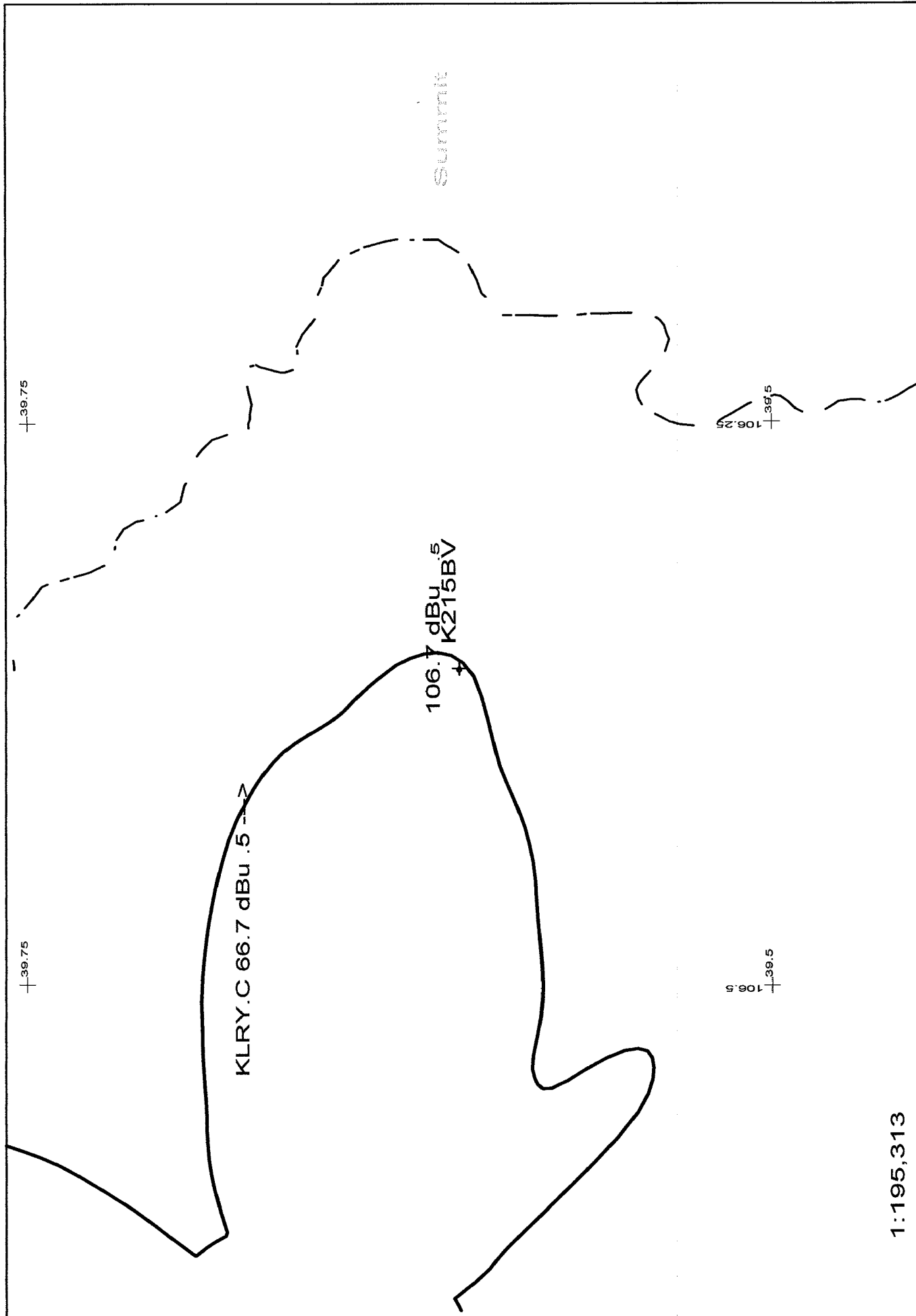
The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KLRV.C, channel 217C3, Gypsum, CO. The predicted F(50-50) field strength of KLRV.C at the proposed translator site is 66.7 dBu, see Exhibit 12A. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 106.7 dBu. This interfering contour extends less than 103 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.

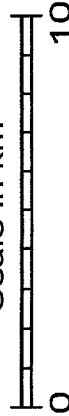
2) Examination of the USGS topographic map reveals no regularly occupied structures within the area of overlap.

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



K215BV 215D .01kW 3455M AMSL

N. Lat. 39 36 17 W. Lng. 106 21 33

Exhibit 12A

- 03/04

Bearing	Field Value
000	0.045
010	0.030
020	0.032
030	0.037
040	0.046
050	0.065
060	0.142
070	0.202
080	0.234
090	0.250
100	0.260
110	0.250
120	0.234
130	0.202
140	0.142
150	0.065
160	0.046
170	0.037
180	0.032
190	0.030
200	0.045
210	0.187
220	0.388
230	0.570
240	0.715
250	0.829
260	0.920
270	0.979
280	1.000
290	0.979
300	0.920
310	0.829
320	0.715
330	0.570
340	0.388
350	0.187

