

Engineering Statement Regarding Second &/or Third Adjacent Channel Interference

This application proposes an FM translator that will, according to the FCC Rules cause interference to facilities on either or both of the second or third adjacent channels in the area immediately surrounding the proposed FMT site.

In either or both cases, the applicant will demonstrate with map diagrams and/or text descriptions that demonstrate that the interference, while predicted, will not cause actual interference.

The applicant hereby requests a waiver of section 73.1204 of the rules based on paragraph 73.1204(d) of the rules, in that the proposed area of interference is uninhabited and/or unpopulated and thus will there not cause any actual interference.

Further, the applicant hereby requests that the Commission allow the applicant to calculate and demonstrate the area of interference using the well established principles of Undesirable/Desirable signal ratio of 40 dBu, as outlined in section 73.215(2) of the rules. In this case, KQMT has a signal of 65.3 dBu at the proposed FMT site. (KIMN has a signal strength of 87.8 dBu at the proposed FMT site). Therefore, the 105.3 dBu contour is the effective interference contour that must be demonstrated uninhabited and unpopulated. As shown on the map below, the proposed FMT site is plotted on a 7.5 minute USGS map, as is the proposed 105.3 dBu interference contour.

The applicant has personally visited the site, and can attest that the closest building to the proposed FMT site is a storage building, and not a habitable dwelling. A photograph of that building is herein attached.

In making these requests, the applicant submits that by granting them, the Commission would allow additional service that would otherwise not be permitted, and that are in conformity with the Commission's rules. The public interest would thus be served.

Exhibit Demonstrating 105.3 dBu Interference Contour
free of population, structures or dwellings --thus uninhabited

Proposed 105.3 dBu Interference Contour
Proposed FM Translator Site

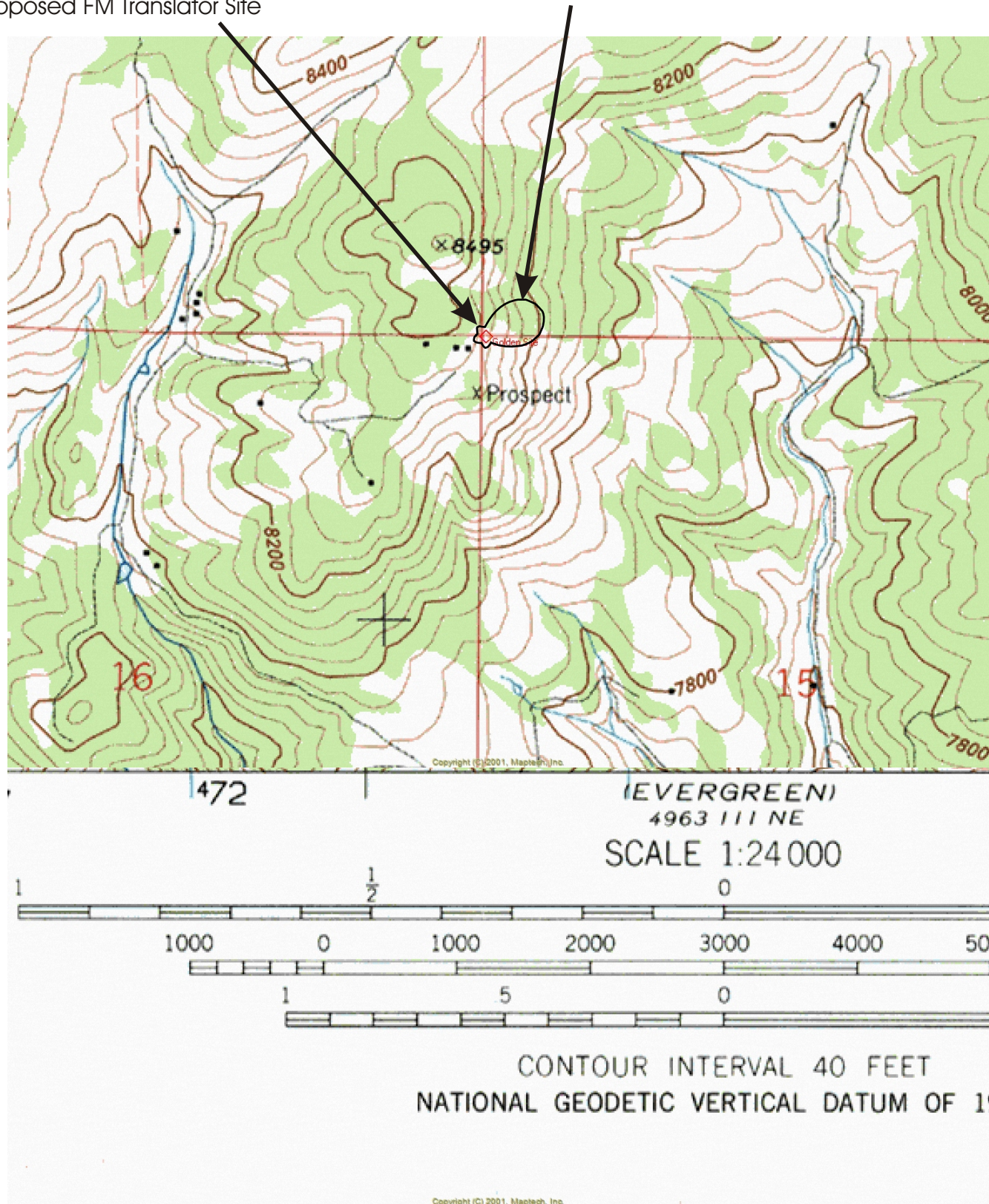


Exhibit demonstrating proposed 105.3 dBu contour overlaid on an aerial photograph of the proposed FMT site. The interference contour area is free of structures or dwellings and is uninhabited.

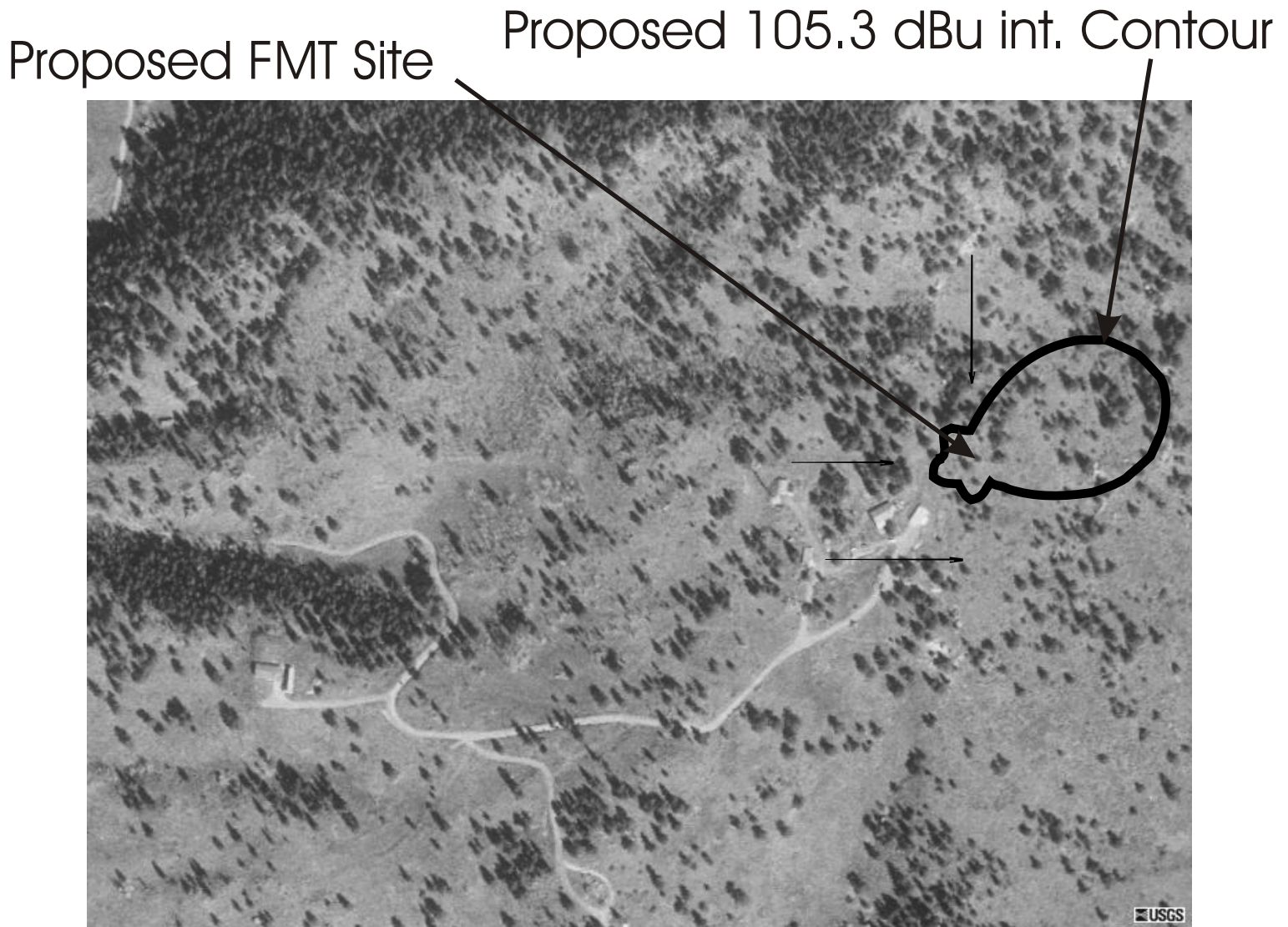


Exhibit Demonstrating nearest structure to proposed FMT site. Structure is a storage building, not a dwelling, thus is uninhabited.



Channel Study K260AL Minor Mod. to Nearby Tower										
REFERENCE 39 47 51 N 105 19 50 W		CH# 260D	-	99.9 MHz, Pwr= 0.015 kW, HAAT=0.0 M, COR= 2547 M	Average Protected F(50-50)= 3.48 km		DISPLAY DATES DATA 05-08-04 SEARCH 05-11-04			
		Ave. F(50-10) 40 dBu= 11.2		54 dBu= 4.9	80 dBu= 1.6	100 dBu= .3				
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* (Overlap in km)
258C Denver	KQMT	LIC DC CO	132.9 312.9	11.16 BLH20020118AAT	39 43 45 105 14 06	4.984 -150	2262 1.6	15.0 Entercom Denver License, L	5.63<	-3.87*<
262C Denver	KIMN	LIC DCY CO	145.9 325.9	16.88 BLH19960205KA	39 40 18 105 13 12	100.000 204	2379 8.3	64.1 Infinity Radio Inc.	5.24<	-47.29*<
258C Denver	ALLO	USE CO	224.6 44.6	18.92 RM9396	39 40 35 105 29 09	100.000 44	2558 3.8	36.7	13.48	-17.85*<
262C Denver	ALLO	USE CO	119.0 299.0	25.74 RM9336	39 41 06 105 04 05	100.000 794	2558 16.3	99.4	2.46<	-73.70*<
Coordinates updated from LIC record BLH781218AA										
260D Arvada	K260AL	APP DC CO	270.0 90.0	0.07 BMPFT20040202AAF	39 47 51 105 19 53	0.008 709	2597 51.7	13.8 Educational Communications	-53.28*<	-18.02*<
260D Arvada	K260AL	CP DC CO	221.0 41.0	4.67 BNPFT20030808ADC	39 45 57 105 21 59	0.008 279	2509 30.6	9.2 Educational Communications	-27.95<	-11.07*<
260C Pueblo	ALLO	USE CO	160.7 340.7	123.55 BLH6881	38 44 47 104 51 37	100.000 434	2558 185.7	82.3	-65.73<	26.70
Coordinates updated from LIC record BLH6881										
260C Pueblo	KVUU	LIC CY CO	160.8 340.8	123.60 BLH19990311KF	38 44 44 104 51 42	79.000 785	2922 203.9	96.3 Capstar Tx Limited Partner	-83.90<	12.78
260D Fort Collins, Etc.	K260AC	LIC DCN CO	9.3 189.3	78.30 BLFT19921023TA	40 29 36 105 10 53	0.001 429	2081 22.9	5.5 Boulder Community Broadcas	51.46	58.58
Translator for KGNU, Boulder, CO-										
262D Boulder	KIMNF1	LIC DC CO	29.0 209.0	20.69 BLFTB20030502AAZ	39 57 37 105 12 46	0.001 -243	1762 0.1	1.8 Infinity Radio Inc.	10.89	18.73
260D Vail	AP260	APP C CO	256.6 76.6	90.78 BNPFT20030317MUP	39 36 17 106 21 33	0.010 273	3447 32.0	9.7 Mary Medicus	57.13	76.40
260C2 Cheyenne	KKPL«	LIC C WY	9.6 189.6	134.29 BMLH20010426AAK	40 59 22 105 03 47	50.000 328	2129 158.3	67.4 Agm-nevada, Lic	-28.09<	52.41
260D Vail	AP260	APP DV CO	259.6 79.6	97.37 BNPFT20030314CJZ	39 38 05 106 26 47	0.054 179	2958 39.4	11.9 Cimarron Communications Co	56.33	80.81
260C2 Cheyenne	ALLO«	USE WY	16.8 196.8	155.72	41 08 17 104 47 29	50.000 679	2558 186.8	87.7	-36.86<	46.99
257D Dillon	K257CS	LIC CN CO	252.3 72.3	66.39 BLFT19990205TL	39 36 50 106 04 02	0.035 -519	2861 0.4	4.3 Agm-rocky Mountain Broadca	64.45	62.04
TRANSLATOR FOR KSKE, VAIL, CO.										
258D Breckenridge	K258AS	CP DC CO	240.9 60.9	68.68 BNPFT20030814AAV	39 29 44 106 01 44	0.001 -134	3225 0.1	1.8 Educational Communications	65.97	66.81
258D Estes Park	AP258	APP DE CO	352.1 172.1	69.82 BNPFT20030313AOJ	40 25 13 105 26 39	0.001 243	2740 0.1	4.6 Educational Communications	67.42	65.18
258D Estes Park	AP258	APP DE CO	352.1 172.1	69.82 BNPFT20030814ABG	40 25 13 105 26 39	0.000 243	2740 0.0	0.0 Educational Communications	67.49	69.79

ERP and HAAT are on direct line to and from reference station.
 "«"Affixed to 'IN' or 'Out' values = site inside protected contour.
 "«" = Station meets FCC minimum distance spacing for its class. "<" = Contour Overlap

Terrain and Contour Study

N. Lat. = 39 47 51 W. Lng. = 105 19 50

HAAT and Distance to Contour - FCC Method - 30 Arc. Sec.

Proposed Changes to K260AL

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	40-F1	100-F1	105.3-F1
000	2401.8	145.2	0.0003	-34.67	0.151	2.68	9.52	0.04	0.02
030	2075.7	471.3	0.0051	-22.90	0.585	10.19	36.88	0.16	0.09
060	1920.4	626.6	0.0140	-18.54	0.966	15.62	55.43	0.26	0.14
090	1884.4	662.6	0.0101	-19.95	0.822	14.47	52.87	0.22	0.12
120	1925.4	621.6	0.0012	-29.07	0.287	6.53	29.70	0.08	0.04
150	2162.0	385.0	0.0003	-34.92	0.147	3.45	15.34	0.04	0.02
180	2249.9	297.1	0.0005	-33.03	0.182	3.83	14.93	0.05	0.03
210	2426.1	120.9	0.0002	-36.19	0.127	2.27	7.93	0.03	0.02
240	2454.4	92.6	0.0005	-32.88	0.185	2.55	8.40	0.05	0.03
270	2673.3	-126.3	0.0003	-34.57	0.153	1.61	4.29	0.04	0.02
300	2689.6	-142.6	0.0003	-34.76	0.149	1.61	4.25	0.04	0.02
330	2677.9	-130.9	0.0005	-33.44	0.174	1.61	4.58	0.05	0.03

Ave El= 2295.07 M HAAT= 251.93 M AMSL= 2547

Channel Study (vs KVUU Area View)
K260AL Minor Mod. to Nearby Tower

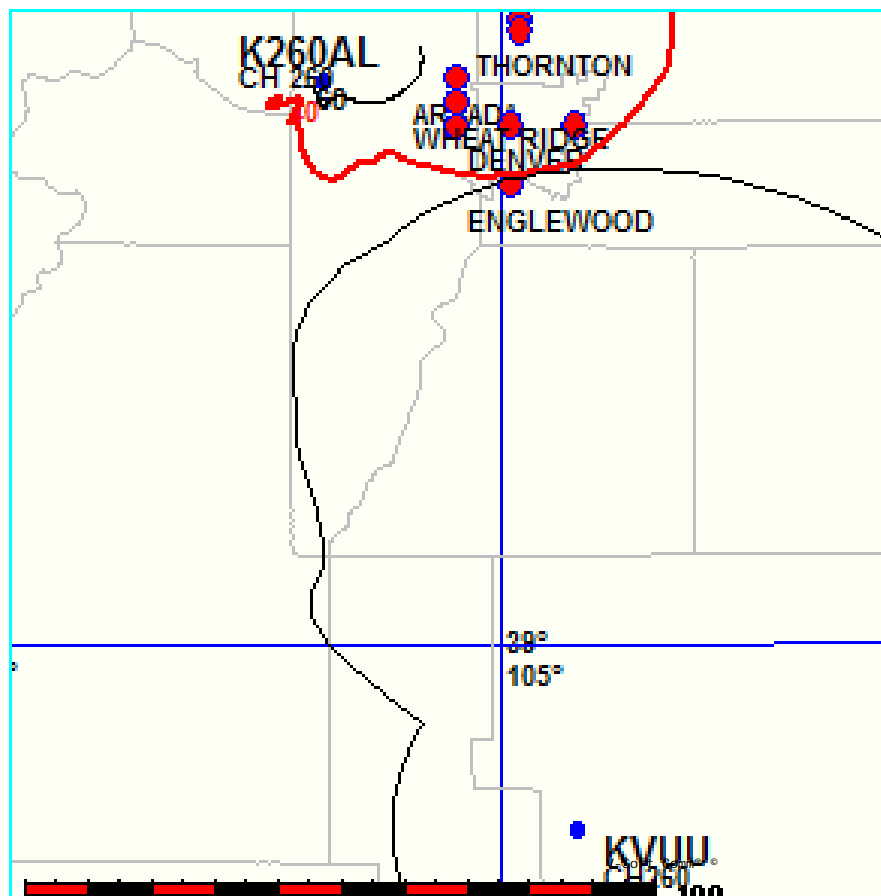
FMCONT Allocation Study

05-11-2004

K260AL CH 260 D
.015 kW 2547M COR DA
Prot. = 60 dBu
Intef. = 40 dBu

KVUU CH 260 C
79kW, 2922 M COR
Prot. = 60 dBu
Intef. = 40 dBu
File # BLH19990311KF

1: 1,269,531



Channel Study (vs KVUU Detailed View)
K260AL Minor Mod. to Nearby Tower

FMCONT Allocation Study

05-11-2004

K260AL CH 260 D
.015 kW 2547M COR DA
Prot. = 60 dBu
Intef. = 40 dBu

KVUU CH 260 C
79kW, 2922 M COR
Prot. = 60 dBu
Intef. = 40 dBu
File # BLH19990311KF

1: 410, 156

