Concerning a minor change application for Construction Permit to move to a new transmitter site and change the night power.

Mainstreet Media of Colorado, INC. is the licensee of KKCL Golden, CO, FID 161314 authorized for 1550 kHz with 1 kW daytime and 0.35 kW nighttime using directional antenna nighttime(DA-N) file number BMM-20160511ABY. Loss of the tower site has made it necessary to change to a new tower site and design a replacement facility from scratch. This amended application requests the power of 1 kW daytime and 0.21 kW nighttime using nondirectional antenna (ND-2) to serve the community of Golden, Colorado.

PROPOSED DAYTIME OPERATION

The proposed KKCL nondirectional operation will use one tower 35.9 electrical degrees tall (20 meters AGL). The ground system will consists of 90 buried radials averaging 30 m long (54 electrical degrees) except where shortened at a property boundary.

DAYTIME ALLOCATIONS STUDY

The existing broadcast stations on 1550 kHz and adjacent channels were studied as required for a complete allocations study. The proposed and present coverage and interference contours are shown in the attached allocations map. Therre are no stations of interest near the proposed interference contours

PROPOSED NIGHTTIME OPERATION

The proposed KKCL 0.21 kW nondirectional nighttime operation does not enter the 25% RSS of any US station, permit, or known proposal. The proposed operation does not enter the 50% RSS of any foreign notification.

CITY GRADE COVERAGE

The city of Golden, CO is fuloly encompassed in the proposed daytime 5 mV/m contour and trhe nighttime proposed 5.74 mV/m Night Limit contour provides full city grade coverage over Golden.

ENVIRONMENTAL CONSIDERATIONS

The proposed facility will be constructed using on grade concrete foundations so there will be no significant disturbance of the ground on the site. An existing building will be used for the transmitter and therefore no significant on site construction will be required to accommodate the KKCL facilities. RF exposures outside of the tower base protective fence will be below the recommended maximum public exposure levels of OET65. No employee will be allowed to climb the tower when energized.

SUMMARY

The engineering presented for the proposed KKCL 1 kW daytime operation and the 0.21 kW nighttime operation serving Golden has been prepared in compliance with FCC Rules and Regulations in effect as of this date. At the time of the preparation there are no known proposed, authorized, or existing stations that would require additional interference study.

Respectfully submitted,

Timothy C. Cutforth P.E.
28 July 2022

Station: KKCLMOV Frequency 1550 kHz 39-46-01 105-07-22

Azim (deg)	Inverse (mV/m)	25 mV (km)	5 mV (km)	2.0 mV (km)	0.5 mV (km)	.250 mV (km)	.025 mV (km)
0	255.7	7.2	20.2	28.5	47.8	62.4	151.4
5	255.7	7.2	20.4	28.8	48.0	62.6	151.7
10	255.7	7.2	20.8	29.1	48.4	63.0	152.0
15	255.7	7.2	20.9	29.5	48.8	63.4	152.4
20	255.7	7.2	20.9	30.1	49.3	63.9	153.0
25	255.7	7.2	20.9	30.7	49.9	64.5	153.6
30	255.7	7.2	20.9	31.3	50.5	65.2	154.2
35	255.7	7.2	20.9	32.1	51.3	65.9	155.0
40	255.7	7.2	20.9	33.1	52.3	66.9	156.0
45	255.7	7.2	20.9	33.5	53.7	68.3	157.3
50	255.7	7.2	20.9	33.5	55.4	70.0	159.1
55	255.7	7.2	20.9	33.5	57.9	72.5	161.6
60	255.7	7.2	20.9	33.5	60.6	75.2	164.3
65	255.7	7.2	20.9	33.5	61.1	78.3	167.4
70	255.7	7.2	20.9	33.5	61.1	80.7	175.6
75	255.7	7.2	20.9	33.5	61.1	80.7	190.3
80	255.7	7.2	20.9	33.5	61.1	80.7	190.3
85	255.7	7.2	20.9	33.5	61.1	80.7	190.3
90	255.7	7.2	20.9	33.5	61.1	80.7	190.3
95	255.7	7.2	20.9	33.5	61.1	80.7	190.3
100	255.7	7.2	20.9	33.5	61.1	80.7	190.3
105	255.7	7.2	20.9	33.5	61.1	80.7	190.3
110	255.7	7.2	20.9	33.5	61.1	80.7	190.3
115	255.7	7.2	20.9	33.5	61.1	80.7	190.3
120	255.7	7.2	20.9	33.5	61.1	80.7	190.3
125	255.7	7.2	20.9	33.5	61.1	80.7	190.3
130	255.7	7.2	20.9	33.5	61.1	80.7	190.3
135	255.7	7.2	20.9	33.5	61.1	80.7	190.3
140	255.7	7.2	20.9	33.5	61.1	80.7	190.3
145	255.7	7.2	20.9	33.5	61.1	80.7	190.3
150	255.7	7.2	20.9	33.5	61.1	80.7	190.3
155	255.7	7.2	20.9	33.5	61.1	80.7	190.3
160	255.7	7.2	20.9	33.5	61.1	80.7	190.3
165	255.7	7.2	20.9	33.5	61.1	80.7	190.3
170	255.7	7.2	20.9	33.5	61.1	80.7	190.3
175	255.7	7.2	20.9	33.5	61.1	80.7	190.3

Station: KKCLMOV Frequency 1550 kHz 39-46-01 105-07-22

Azim (deg)	Inverse (mV/m)	25 mV (km)	5 mV (km)	2.0 mV (km)	0.5 mV (km)	.250 mV (km)	.025 mV (km)
180	255.7	7.2	20.9	33.5	61.1	80.7	188.2
185	255.7	7.2	20.9	33.5	61.1	80.7	182.9
190	255.7	7.2	20.9	33.5	61.1	80.7	175.2
195	255.7	7.2	20.9	33.5	61.1	80.7	170.4
200	255.7	7.2	20.9	33.5	61.1	78.1	167.1
205	255.7	7.2	20.9	33.5	61.1	76.6	165.7
210	255.7	7.2	20.9	33.5	61.0	75.6	162.0
215	255.7	7.2	20.9	33.5	60.1	74.7	158.2
220	255.7	7.2	20.9	33.5	59.7	74.3	154.8
225	255.7	7.2	20.9	33.5	59.4	74.0	150.6
230	255.7	7.2	20.9	33.5	59.3	73.9	146.4
235	255.7	7.2	20.9	33.5	59.3	73.9	143.3
240	255.7	7.2	20.9	33.5	59.4	74.0	140.9
245	255.7	7.2	20.9	33.5	59.7	74.3	139.3
250	255.7	7.2	20.9	33.5	59.4	74.0	138.0
255	255.7	7.2	20.9	33.5	59.1	73.7	136.8
260	255.7	7.2	20.9	33.5	58.0	72.6	135.6
265	255.7	7.2	20.9	33.5	56.8	71.4	134.6
270	255.7	7.2	20.9	33.5	54.7	69.4	133.5
275	255.7	7.2	20.9	33.5	53.2	67.8	132.8
280	255.7	7.2	20.9	32.7	52.0	66.6	132.5
285	255.7	7.2	20.9	31.8	51.1	65.7	132.9
290	255.7	7.2	20.9	31.1	50.4	65.0	133.6
295	255.7	7.2	20.9	30.4	49.6	64.3	134.4
300	255.7	7.2	20.9	29.8	49.0	63.6	135.7
305	255.7	7.2	20.9	29.3	48.6	63.2	137.3
310	255.7	7.2	20.6	28.9	48.2	62.8	138.4
315	255.7	7.2	20.3	28.6	47.9	62.5	139.9
320	255.7	7.2	20.1	28.4	47.7	62.3	141.9
325	255.7	7.2	20.0	28.3	47.6	62.2	144.2
330	255.7	7.2	19.8	28.2	47.4	62.0	147.2
335	255.7	7.2	19.8	28.1	47.4	62.0	151.6
340	255.7	7.2	19.8	28.1	47.4	62.0	152.7
345	255.7	7.2	19.8	28.1	47.4	62.0	152.6
350	255.7	7.2	19.9	28.2	47.5	62.1	151.1
355	255.7	7.2	20.0	28.4	47.6	62.2	151.3

Station: KKCLMOV Frequency 1550 kHz 39-46-01 105-07-22

Azim (deg)	Inverse (mV/m)	1000 mV (km)	25 mV (km)	5.7 mV (km)	5.0 mV (km)	2.00 mV (km)
0	117.2	0.12	3.8	11.9	13.0	21.3
5	117.2	0.12	3.8	11.9	13.0	21.5
10	117.2	0.12	3.8	11.9	13.0	21.8
15	117.2	0.12	3.8	11.9	13.0	22.3
20	117.2	0.12	3.8	11.9	13.0	22.5
25	117.2	0.12	3.8	11.9	13.0	22.5
30	117.2	0.12	3.8	11.9	13.0	22.5
35	117.2	0.12	3.8	11.9	13.0	22.5
40	117.2	0.12	3.8	11.9	13.0	22.5
45	117.2	0.12	3.8	11.9	13.0	22.5
50	117.2	0.12	3.8	11.9	13.0	22.5
55	117.2	0.12	3.8	11.9	13.0	22.5
60	117.2	0.12	3.8	11.9	13.0	22.5
65	117.2	0.12	3.8	11.9	13.0	22.5
70	117.2	0.12	3.8	11.9	13.0	22.5
75	117.2	0.12	3.8	11.9	13.0	22.5
80	117.2	0.12	3.8	11.9	13.0	22.5
85	117.2	0.12	3.8	11.9	13.0	22.5
90	117.2	0.12	3.8	11.9	13.0	22.5
95	117.2	0.12	3.8	11.9	13.0	22.5
100	117.2	0.12	3.8	11.9	13.0	22.5
105	117.2	0.12	3.8	11.9	13.0	22.5
110	117.2	0.12	3.8	11.9	13.0	22.5
115	117.2	0.12	3.8	11.9	13.0	22.5
120	117.2	0.12	3.8	11.9	13.0	22.5
125	117.2	0.12	3.8	11.9	13.0	22.5
130	117.2	0.12	3.8	11.9	13.0	22.5
135	117.2	0.12	3.8	11.9	13.0	22.5
140	117.2	0.12	3.8	11.9	13.0	22.5
145	117.2	0.12	3.8	11.9	13.0	22.5
150	117.2	0.12	3.8	11.9	13.0	22.5
155	117.2	0.12	3.8	11.9	13.0	22.5
160	117.2	0.12	3.8	11.9	13.0	22.5
165	117.2	0.12	3.8	11.9	13.0	22.5
170	117.2	0.12	3.8	11.9	13.0	22.5
175	117.2	0.12	3.8	11.9	13.0	22.5

Station: KKCLMOV Frequency 1550 kHz 39-46-01 105-07-22

Azim (deg)	Inverse (mV/m)	1000 mV (km)	25 mV (km)	5.7 mV (km)	5.0 mV (km)	2.00 mV (km)
180	117.2	0.12	3.8	11.9	13.0	22.5
185	117.2	0.12	3.8	11.9	13.0	22.5
190	117.2	0.12	3.8	11.9	13.0	22.5
195	117.2	0.12	3.8	11.9	13.0	22.5
200	117.2	0.12	3.8	11.9	13.0	22.5
205	117.2	0.12	3.8	11.9	13.0	22.5
210	117.2	0.12	3.8	11.9	13.0	22.5
215	117.2	0.12	3.8	11.9	13.0	22.5
220	117.2	0.12	3.8	11.9	13.0	22.5
225	117.2	0.12	3.8	11.9	13.0	22.5
230	117.2	0.12	3.8	11.9	13.0	22.5
235	117.2	0.12	3.8	11.9	13.0	22.5
240	117.2	0.12	3.8	11.9	13.0	22.5
245	117.2	0.12	3.8	11.9	13.0	22.5
250	117.2	0.12	3.8	11.9	13.0	22.5
255	117.2	0.12	3.8	11.9	13.0	22.5
260	117.2	0.12	3.8	11.9	13.0	22.5
265	117.2	0.12	3.8	11.9	13.0	22.5
270	117.2	0.12	3.8	11.9	13.0	22.5
275	117.2	0.12	3.8	11.9	13.0	22.5
280	117.2	0.12	3.8	11.9	13.0	22.5
285	117.2	0.12	3.8	11.9	13.0	22.5
290	117.2	0.12	3.8	11.9	13.0	22.5
295	117.2	0.12	3.8	11.9	13.0	22.5
300	117.2	0.12	3.8	11.9	13.0	22.5
305	117.2	0.12	3.8	11.9	13.0	22.0
310	117.2	0.12	3.8	11.9	13.0	21.7
315	117.2	0.12	3.8	11.9	13.0	21.4
320	117.2	0.12	3.8	11.9	13.0	21.2
325	117.2	0.12	3.8	11.9	13.0	21.0
330	117.2	0.12	3.8	11.9	13.0	20.9
335	117.2	0.12	3.8	11.9	13.0	20.9
340	117.2	0.12	3.8	11.9	13.0	20.8
345	117.2	0.12	3.8	11.9	13.0	20.9
350	117.2	0.12	3.8	11.9	13.0	21.0
355	117.2	0.12	3.8	11.9	13.0	21.1

Station: KKCLMOV Frequency 1550 kHz 39-46-01 105-07-22

Azim (deg)	Inverse (mV/m)	1000 mV (km)	15 mV (km)	1.0 mV (km)	0.1 mV (km)	.050 mV (km)	.005 mV (km)
0	255.7	0.3	10.5	36.9	89.6	117.3	253.2
5	255.7	0.3	10.5	37.1	89.8	117.6	253.5
10	255.7	0.3	10.5	37.4	90.2	117.9	253.8
15	255.7	0.3	10.5	37.9	90.6	118.3	254.2
20	255.7	0.3	10.5	38.4	91.1	118.8	254.7
25	255.7	0.3	10.5	39.0	91.7	119.4	255.3
30	255.7	0.3	10.5	39.6	92.4	120.1	256.0
35	255.7	0.3	10.5	40.4	93.1	120.8	256.7
40	255.7	0.3	10.5	41.4	94.1	121.8	257.8
45	255.7	0.3	10.5	42.8	95.5	123.2	259.1
50	255.7	0.3	10.5	44.5	97.2	125.0	260.9
55	255.7	0.3	10.5	45.7	99.7	127.4	263.3
60	255.7	0.3	10.5	45.7	102.4	130.1	266.0
65	255.7	0.3	10.5	45.7	105.5	133.2	279.4
70	255.7	0.3	10.5	45.7	110.1	137.8	289.6
75	255.7	0.3	10.5	45.7	115.4	149.7	304.3
80	255.7	0.3	10.5	45.7	115.4	149.7	304.3
85	255.7	0.3	10.5	45.7	115.4	149.7	304.3
90	255.7	0.3	10.5	45.7	115.4	149.7	304.3
95	255.7	0.3	10.5	45.7	115.4	149.7	304.3
100	255.7	0.3	10.5	45.7	115.4	149.7	304.3
105	255.7	0.3	10.5	45.7	115.4	149.7	304.3
110	255.7	0.3	10.5	45.7	115.4	149.7	304.3
115	255.7	0.3	10.5	45.7	115.4	149.7	304.3
120	255.7	0.3	10.5	45.7	115.4	149.7	304.3
125	255.7	0.3	10.5	45.7	115.4	149.7	304.3
130	255.7	0.3	10.5	45.7	115.4	149.7	304.3
135	255.7	0.3	10.5	45.7	115.4	149.7	304.3
140	255.7	0.3	10.5	45.7	115.4	149.7	304.3
145	255.7	0.3	10.5	45.7	115.4	149.7	304.3
150	255.7	0.3	10.5	45.7	115.4	149.7	304.3
155	255.7	0.3	10.5	45.7	115.4	149.7	304.3
160	255.7	0.3	10.5	45.7	115.4	149.7	304.3
165	255.7	0.3	10.5	45.7	115.4	149.7	304.3
170	255.7	0.3	10.5	45.7	115.4	149.7	304.3
175	255.7	0.3	10.5	45.7	115.4	149.7	282.3

Station: KKCLMOV Frequency 1550 kHz 39-46-01 105-07-22

Azim (deg)	Inverse (mV/m)	1000 mV (km)	15 mV (km)	1.0 mV (km)	0.1 mV (km)	.050 mV (km)	.005 mV (km)
180	255.7	0.3	10.5	45.7	115.4	149.7	277.2
185	255.7	0.3	10.5	45.7	115.4	148.8	271.5
190	255.7	0.3	10.5	45.7	113.3	141.1	267.5
195	255.7	0.3	10.5	45.7	108.5	136.3	261.2
200	255.7	0.3	10.5	45.7	105.3	133.0	256.6
205	255.7	0.3	10.5	45.7	103.8	131.5	247.7
210	255.7	0.3	10.5	45.7	102.8	130.5	238.2
215	255.7	0.3	10.5	45.7	101.9	129.6	234.4
220	255.7	0.3	10.5	45.7	101.5	129.2	231.0
225	255.7	0.3	10.5	45.7	101.2	127.9	226.8
230	255.7	0.3	10.5	45.7	101.1	123.8	222.6
235	255.7	0.3	10.5	45.7	101.1	120.6	219.5
240	255.7	0.3	10.5	45.7	100.9	118.2	217.1
245	255.7	0.3	10.5	45.7	99.4	116.7	215.9
250	255.7	0.3	10.5	45.7	98.0	115.3	214.6
255	255.7	0.3	10.5	45.7	96.9	114.2	213.0
260	255.7	0.3	10.5	45.7	95.7	113.0	211.8
265	255.7	0.3	10.5	45.7	94.7	111.9	210.8
270	255.7	0.3	10.5	43.8	93.6	110.8	209.7
275	255.7	0.3	10.5	42.2	92.8	110.1	209.0
280	255.7	0.3	10.5	41.1	92.6	109.9	208.8
285	255.7	0.3	10.5	40.2	92.9	110.3	210.7
290	255.7	0.3	10.5	39.5	92.2	110.9	212.5
295	255.7	0.3	10.5	38.7	91.5	111.7	213.4
300	255.7	0.3	10.5	38.1	90.8	113.1	212.4
305	255.7	0.3	10.5	37.6	90.4	114.6	213.5
310	255.7	0.3	10.5	37.3	90.0	115.7	214.6
315	255.7	0.3	10.5	37.0	89.7	117.2	216.1
320	255.7	0.3	10.5	36.8	89.5	117.2	218.0
325	255.7	0.3	10.5	36.6	89.4	117.1	220.4
330	255.7	0.3	10.5	36.5	89.2	116.9	223.4
335	255.7	0.3	10.5	36.5	89.2	116.9	228.6
340	255.7	0.3	10.5	36.4	89.2	116.9	266.7
345	255.7	0.3	10.5	36.5	89.2	116.9	266.6
350	255.7	0.3	10.5	36.6	89.3	117.0	262.7
355	255.7	0.3	10.5	36.7	89.4	117.1	253.0

Vir James Engineers

Station: KKCLMOV 1550 kHz 39-46-01 105-07-22

Distances are from Site to Conductivity Breaks

AZIMUTH	mS/m	KM	mS/m	KM	mS/m	KM	mS/m	KM
0	15	18.8	8	301.2	15	466.3	8	552.8
	15	588.9	8	921.2	15	939.7	30	950.0
5	15	19.5	8	310.9	15	441.9	8	572.6
	15	639.2	8	924.9	30	950.0		
10	15	20.5	8	547.5	15	611.8	8	899.3
	30	950.0						
15	15	21.7	8	353.4	15	397.3	8	514.3
	15	602.2	8	859.4	30	950.0		
20	15	23.3	8	355.9	15	605.6	8	822.9
	30	950.0						
25	15	25.1	8	363.5	15	412.3	8	519.8
	15	622.2	8	792.4	30	950.0		
30	15	26.9	8	401.1	15	405.1	8	543.8
	15	744.8	30	950.0				
35	15	29.2	8	338.1	4	454.2	8	545.3
	15	648.2	30	950.0				
40	15	32.2	8	291.0	4	489.5	8	547.0
	15	659.7	30	855.3	15	950.0		
45	15	36.3	8	279.9	4	509.1	8	566.9
	15	652.4	30	785.9	15	950.0		
50	15	41.8	8	291.5	4	522.5	8	586.0
	15	639.0	30	783.5	15	950.0		
55	15	49.8	8	308.5	4	547.1	8	619.2
	15	659.0	30	803.3	15	939.6	30	954.8
60	15	59.1	8	314.6	15	333.1	4	593.1
	8	654.4	15	744.2	30	812.5	15	882.7
	30	950.0						
65	15	71.0	8	177.6	15	372.7	4	424.4
	30	568.6	4	644.8	15	914.2	30	950.0
70	15	89.9	8	152.6	15	384.3	30	593.6
	15	950.0						
75	15	377.1	30	582.3	15	624.2	30	745.3
	15	950.0						
80	15	372.9	30	573.7	15	673.0	30	718.7
	15	803.9	30	875.6	15	950.0		
85	15	371.6	30	567.0	15	789.3	30	848.9
	15	950.0						
90	15	373.1	30	567.3	15	709.0	30	831.8
	15	950.0						
95	15	377.5	30	831.0	15	950.0		
100	15	385.0	30	851.0	15	950.0		
105	15	398.0	30	885.0	15	950.0		
110	15	426.2	30	892.3	15	947.8	8	950.0
115	15	463.5	30	815.5	8	895.8	15	950.0
120	15	458.1	30	818.7	15	838.6	8	882.2
	15	950.0						

Vir James Engineers

Station: KKCLMOV 1550 kHz 39-46-01 105-07-22

AZIMUTH	mS/m	KM	mS/m	KM	mS/m	KM	mS/m	KM
125	15	443.8	30	561.9	15	720.3	30	807.7
	15	833.9	30	928.5	15	950.0		
130	15	435.9	30	608.7	15	817.2	30	950.0
135	15	438.5	30	627.1	15	852.8	30	948.0
	15	950.0						
140	15	453.3	30	603.8	15	728.4	30	924.0
	15	950.0						
145	15	485.8	30	897.3	8	928.9	15	950.0
150	15	524.1	30	714.6	15	798.5	30	878.6
	15	882.3	8	950.0				
155	15	565.8	30	680.9	15	927.8	8	950.0
160	15	626.6	30	649.7	15	936.4	8	950.0
165	15	843.8	8	950.0				
170	15	777.5	8	950.0				
175	15	231.6	2	344.0	15	554.6	8	622.4
	15	735.5	8	950.0				
180	15	177.2	8	234.2	2	407.3	15	516.9
	8	696.6	4	770.9	8	950.0		
185	15	144.8	8	225.3	2	284.2	4	306.2
	2	490.7	15	675.2	4	848.6	8	932.5
	4	950.0						
190	15	104.5	8	200.7	4	318.0	2	386.5
	4	461.1	15	689.4	4	950.0		
195	15	83.4	8	186.1	4	302.1	2	351.7
	4	441.2	15	707.0	4	950.0		
200	15	69.8	8	175.2	4	282.8	2	339.7
	4	431.9	15	670.6	8	746.9	4	808.4
	8	816.2	4	939.6	8	950.0		
205	15	64.3	8	166.0	2	199.4	4	254.3
	2	325.6	4	428.9	15	541.4	8	697.3
	4	844.5	8	950.0				
210	15	60.3	8	156.0	2	317.8	4	421.7
	15	519.7	8	688.3	4	809.6	8	958.7
215	15	57.2	8	146.4	2	321.3	4	416.2
	15	520.5	8	657.4	15	713.7	4	777.1
	8	908.7	15	950.0				
220	15	55.9	8	137.5	2	327.7	4	421.0
	15	508.7	8	621.2	15	744.8	8	896.1
	15	950.0						
225	15	55.0	8	126.2	2	318.3	4	425.9
	15	501.7	8	665.6	15	746.7	8	916.1
	15	950.0						
230	15	54.6	8	115.3	2	294.6	4	427.3
	15	504.5	8	643.6	15	730.4	8	931.3
	15	950.0						
235	15	54.6	8	106.8	2	272.7	15	291.3
	4	434.0	15	517.0	8	627.0	15	714.1
	8	927.7	15	950.0				

Vir James Engineers

Station: KKCLMOV 1550 kHz 39-46-01 105-07-22

AZIMUTH	mS/m	KM	mS/m	KM	mS/m	KM	mS/m	KM
240	15	55.0	8	100.3	2	224.8	8	269.0
	15	317.7	4	453.4	15	549.9	8	613.4
	15	708.5	8	894.3	15	950.0		
245	15	55.9	8	96.3	2	214.1	8	265.7
	15	335.4	4	453.5	15	655.4	8	847.3
	15	950.0						
250	15	54.9	8	93.3	2	212.6	8	267.0
	15	354.8	4	400.1	15	510.3	8	630.5
	30	752.6	8	771.8	15	950.0		
255	15	53.8	8	91.1	2	214.4	8	276.7
	15	546.0	8	654.6	30	723.5	15	908.5
	4	950.0						
260	15	50.0	8	89.7	2	217.8	8	295.5
	15	383.7	4	428.1	15	550.5	8	660.4
	15	815.2	4	950.0				
265	15	46.2	8	89.0	2	220.9	8	380.3
	4	450.2	15	518.5	8	619.3	15	798.0
	4	950.0						
270	15	39.6	8	89.0	2	220.2	8	387.5
	4	470.4	15	503.9	8	565.8	15	782.7
	4	950.0						
275	15	34.8	8	89.6	2	215.2	8	365.5
	15	425.0	4	545.0	15	717.9	4	950.0
280	15	31.3	8	91.0	2	208.3	8	352.7
	15	481.2	2	502.1	4	565.2	15	684.3
	8	771.9	4	950.0				
285	15	28.6	8	93.1	2	202.9	8	349.3
	15	353.4	2	531.8	4	587.1	15	688.3
	8	821.5	4	950.0				
290	15	26.5	8	95.9	2	200.9	8	261.9
	15	313.6	2	422.0	8	443.0	15	503.4
	8	549.7	4	582.6	8	614.0	15	703.0
	8	882.0	4	950.0				
295	15	24.3	8	99.3	2	201.3	8	254.3
	15	354.1	8	440.6	15	510.4	8	872.4
	4	950.0						
300	15	22.5	8	103.8	2	209.9	8	249.9
	15	372.7	8	438.0	15	511.1	8	950.0
305	15	21.1	8	108.6	2	243.1	8	247.5
	15	525.6	8	821.9	4	950.0		
310	15	20.0	8	112.2	2	246.6	15	573.4
	8	577.4	2	626.5	8	783.6	4	950.0
315	15	19.1	8	116.9	2	247.6	15	417.2
	2	683.1	4	688.2	8	767.4	4	950.0
320	15	18.5	8	122.9	2	249.7	15	494.9
	2	659.4	4	950.0				

Vir James Engineers

Station: KKCLMOV 1550 kHz 39-46-01 105-07-22

AZIMUTH	mS/m	KM	mS/m	KM	mS/m	KM	mS/m	KM
325	15	18.0	8	130.2	2	252.8	15	501.0
	8	573.0	2	715.5	4	950.0		
330	15	17.7	8	139.3	2	252.9	15	471.0
	8	662.3	2	778.6	8	857.0	4	960.9
335	15	17.6	8	146.7	15	153.6	2	243.1
	15	437.8	8	850.8	15	941.7	8	950.0
340	15	17.5	8	142.6	15	432.3	8	813.1
	15	950.0						
345	15	17.6	8	143.0	15	479.1	8	867.4
	15	950.0						
350	15	17.9	8	167.5	15	533.6	8	892.1
	15	950.0						
355	15	18.2	8	300.6	15	498.4	8	902.9
	15	950.0						

Source Coordinates: 39-46-01 North 105-07-22 West

This program uses the 2000 US Census Database: PL 94-171
Block level centroid retrieval methodology
Distance to the Contours are interpolated between Azimuths
CONTOUR OF STUDY is 5.0 mV/m.

City of Study: GOLDEN CITY ----------

GOLDEN CITY,Jefferson County,CO

Total City Persons:	17,159	
Total Contour Persons:	17,159	
Persons in Contour:	100.0%	
Area within Contour by Sectoring:	1,351.5 sq. km	
Land Area in City from Census:	13.1 sq. km	
Land Area in Contour from Census:	13.1 sq. km	100.0%

Vir James Engineers

Project: KKCL NIGHT

Source Coordinates: 39-46-01 North 105-07-22 West

This program uses the 2000 US Census Database: PL 94-171
Block level centroid retrieval methodology
Distance to the Contours are interpolated between Azimuths
CONTOUR OF STUDY is 5.7 mV/m.

City of Study: GOLDEN CITY ----------

GOLDEN CITY,Jefferson County,CO

Total City Persons:	17,159	
Total Contour Persons:	17,159	
Persons in Contour:	100.0%	
Area within Contour by Sectoring:	441.9 sq. km	
Land Area in City from Census:	13.1 sq. km	
Land Area in Contour from Census:	13.1 sq. km	100.0%

Vir James Engineers

Project: KKCL DAY

Source Coordinates: 39-46-01 North 105-07-22 West

This program uses the 2000 US Census Database: PL 94-171
Block level centroid retrieval methodology
Distance to the Contours are interpolated between Azimuths
CONTOUR OF STUDY is 1000.0 mV/m.

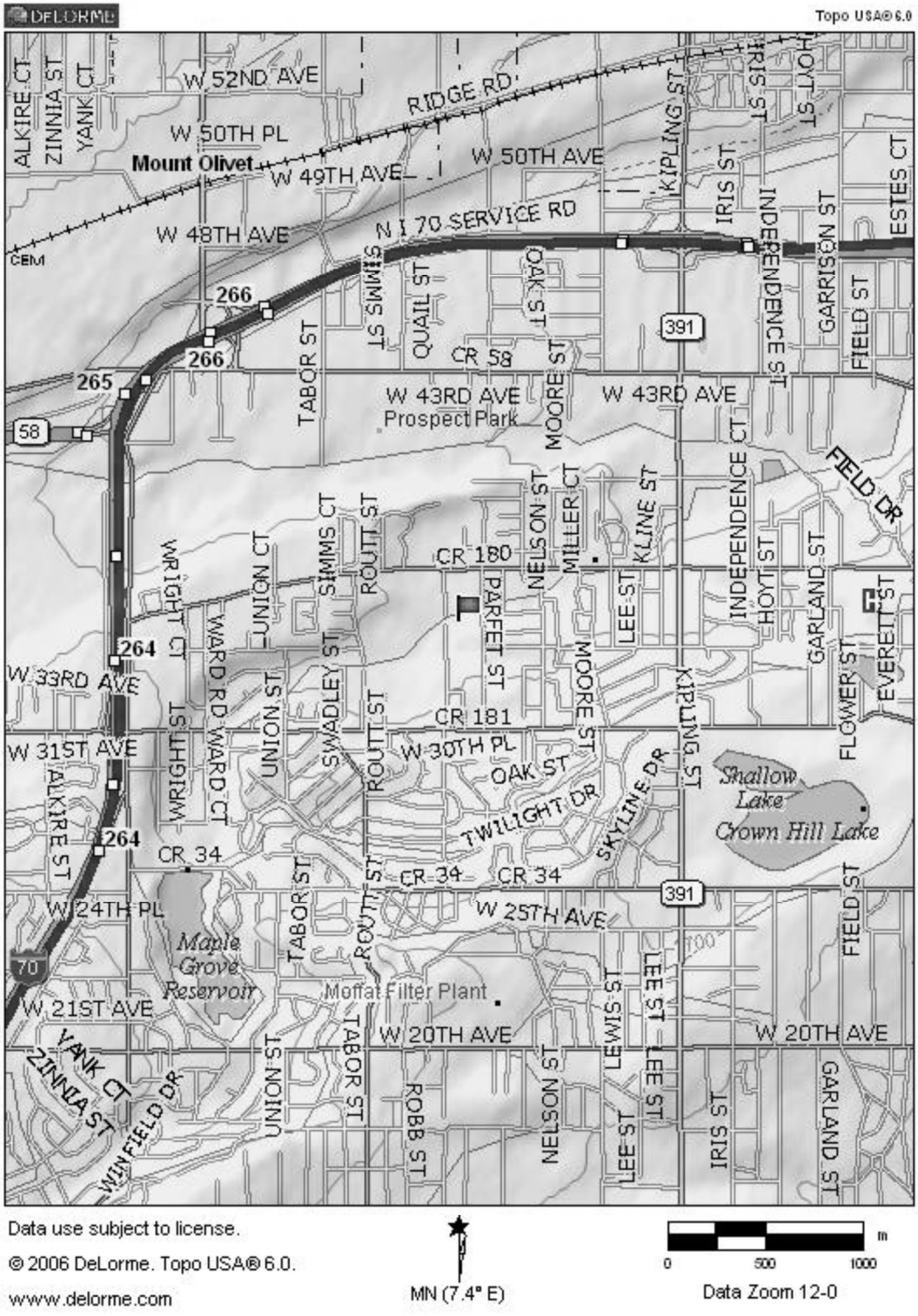
CO, Jefferson County Population : 141

SUMMARY: Population : 141
Area within Contour by Sectoring: 0 sq. km
Land Area in Contour from Census: 0.0 sq. km

Proposed Night Limits

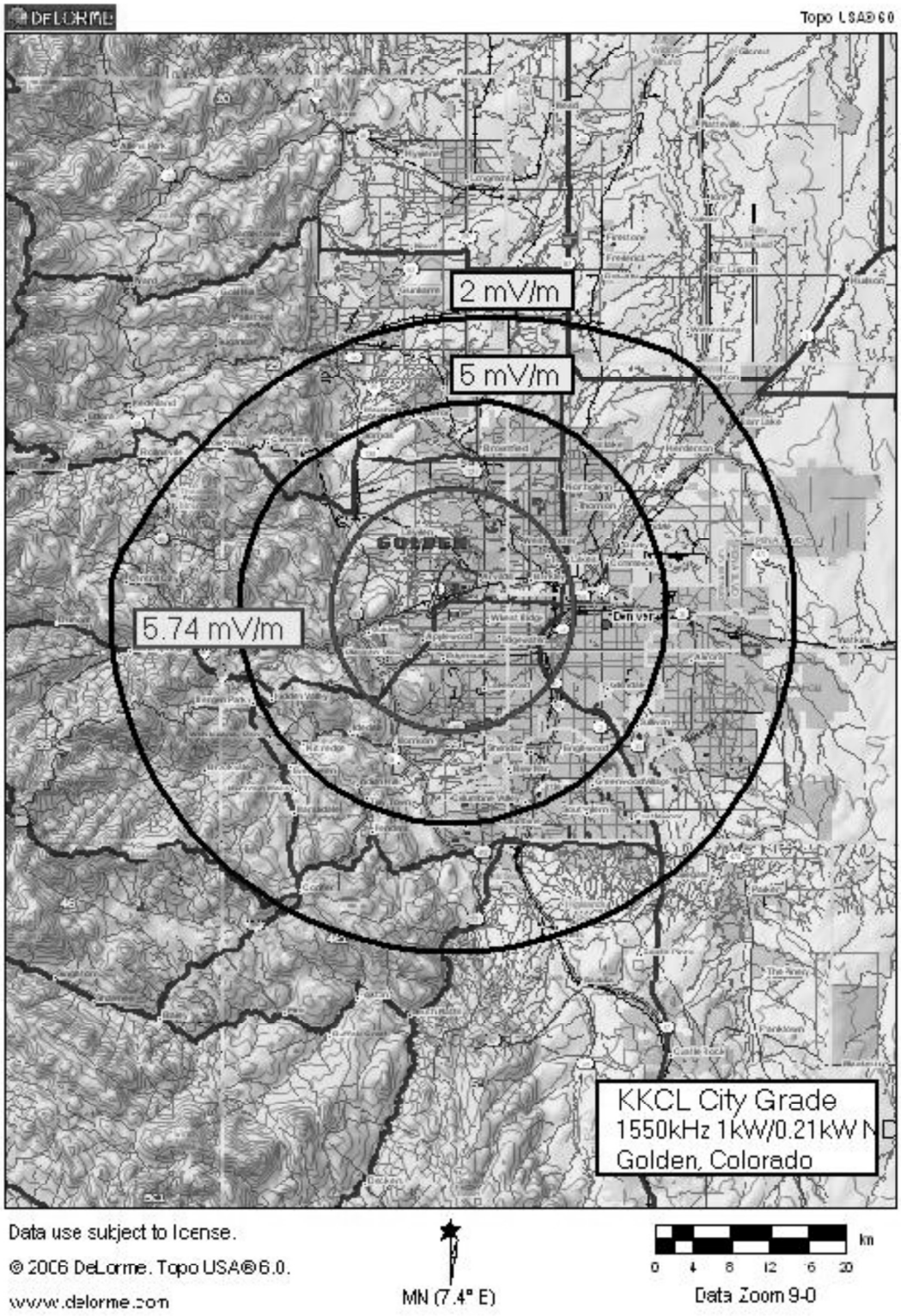
KKCL NIGHT 1550 kHz to Co-Channel Stations: 1550 kHz
*** Facilities/Points with Proposed Limits less than .5 mV/m are NOT printed

Facility or Contour	Location	Dist km	Azim deg	Theta deg		Max IDF mV/m/km	Skywave uV/m	Limit mV/m	Required Protect
XENU-O	27-29-41N 99-32-52W	1457.9	157.6	4.2	4.2	116.8	28.6	0.668	7.672
KMRI-L	40-43-16N 112-02-29W	596.5	282.4	12.2	20.5	114.3	91.2	2.085	2.215
XEBG-	32-30-45N 117-01-06W	1336.4	236.7	5.1	5.1	116.7	36.0	0.840	1.432
KESJ-L	39-49-39N 94-48-39W	880.4	86.3	7.3	13.2	116.2	49.4	1.149	1.162
KGMZ-L	37-31-59N 122-16-27W	1507.4	266.0	2.1	5.6	117.1	21.4	0.502	1.847
XEBG-O	32-30-48N 117-00-47W	1335.9	236.7	5.1	5.1	116.7	36.0	0.840	1.433
KWRN-L	34-32-12N 117-09-22W	1213.1	245.2	4.0	8.4	116.9	32.3	0.755	3.833
KXEX-L	36-46-14N 119-55-20W	1332.4	260.3	3.2	7.2	117.0	26.9	0.629	2.947

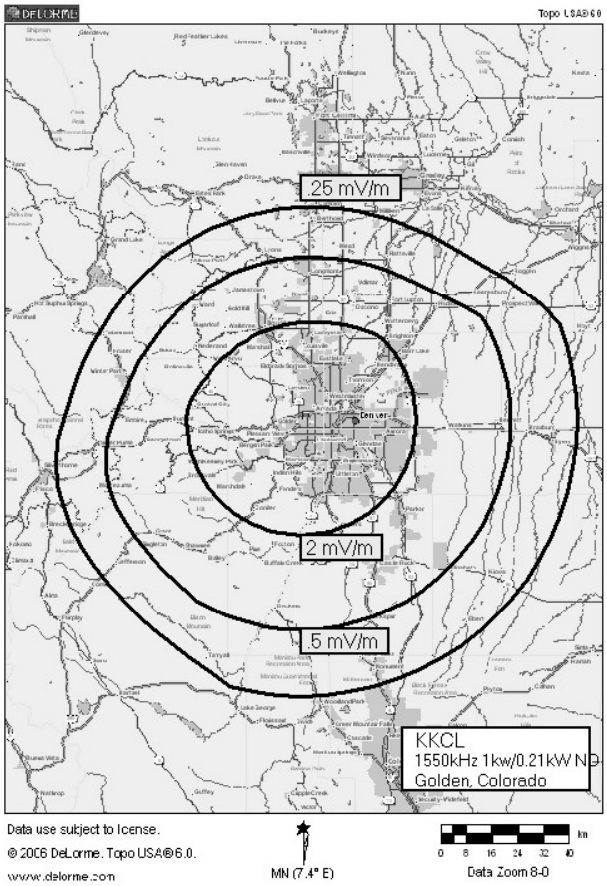


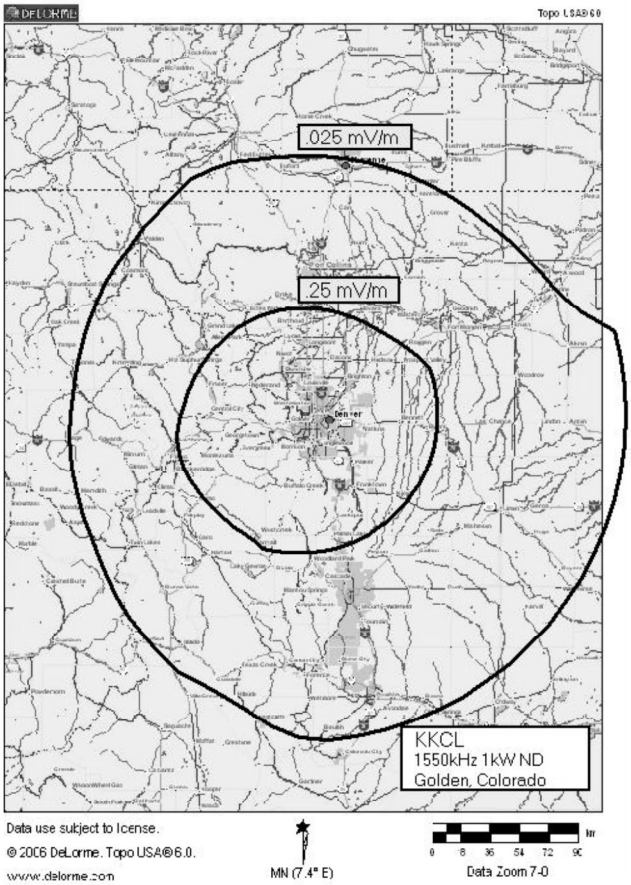
KKCL

tower site 1:25k map

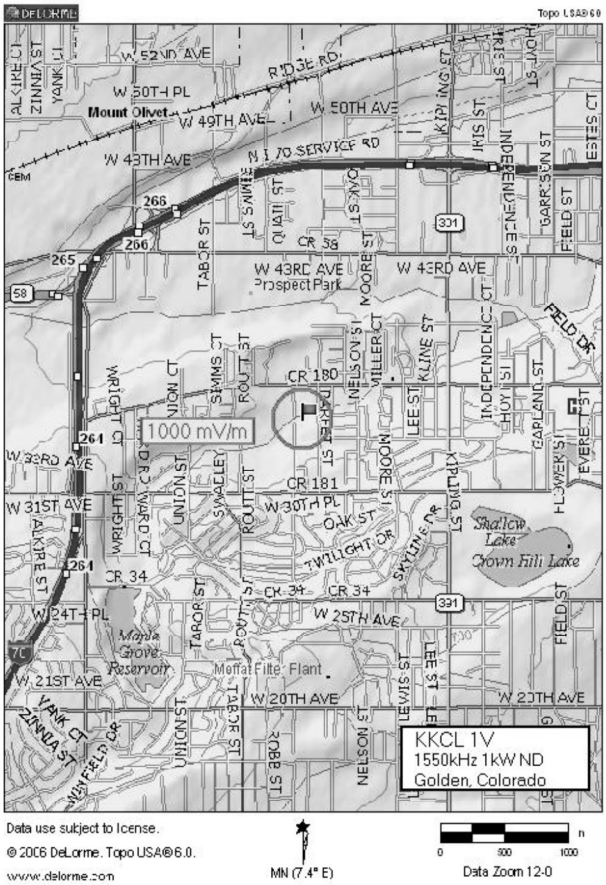


KKCL city grade coverage contours


DELORME
Topo USA® 6.0
.25 mV/m
2 mV/m
.5 mV/m
KKCL
1550kHz 1kw/0.21kW ND
Golden, Colorado
Data use subject to license.
© 2006 DeLorme. Topo USA® 6.0.
www.delorme.com
MN (7.4° E)
km
0 8 16 24 32 40
Data Zoom 8-0



KKCL primary and allocations contour


DELORME
Topo USA 6.0
W 52ND AVE
W 50TH PL
Mount Olivet
W 49TH AVE
W 50TH AVE
W 43TH AVE
I 70 SERVICE RD
CEM
266
265
58
W 43RD AVE
Prospect Park
CR 38
W 43RD AVE
CR 180
1000 mV/m
261
W 32ND AVE
W 31ST AVE
CR 181
W 30TH PL
OAK ST
TWILIGHT CIR
Shallow Lake
Crown Hill Lake
CR 34
CR 34
CR 34
W 24TH PL
W 25TH AVE
Maple Grove Reservoir
Moffat Filter Plant
W 21ST AVE
W 20TH AVE
W 20TH AVE
KKCL 1V
1550kHz 1kW ND
Golden, Colorado
Data use subject to license.
© 2006 DeLorme. Topo USA® 6.0.
www.delorme.com
MN (7.4° E)
0
500
1000
Data Zoom 12-0

1V/M CONTOUR

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing	Typed or Printed Title of Person Signing
Signature	Date

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

SECTION III PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name Timothy C. Cutforth		Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer
Signature Timothy C Cutforth		Date 7/28/22
Mailing Address Broadcast Engineering Consultants 965 S. Irving Street		
City Denver	State or Country (if foreign address) Colorado	ZIP Code 80219
Telephone Number (include area code) 303-912-5474	E-Mail Address (if available) tcut4th@msn.com	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18. SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Exhibit 1 – Parties to the Application

Mainstreet Media of Colorado, LLC

6395 West Berry Ave,

Littleton, CO, 80123

United States

Licensee

0% Assets, 0% voting Share

Charles C. Lontine, Jr.

6395 West Berry Ave,

Littleton, CO, 80123

United States

LLC Member

100% Assets, 100% Voting Share

Exhibit 2 - Other Authorizations

In addition to KKCL, Mainstreet Media of Colorado, LLC also holds the following authorizations:

K245CM, Golden, Colorado, FCC Facility ID No. 25621
K245AD, Boulder, Colorado, FCC Facility ID No. 140240

Exhibit 3- Multiple Ownership

The Licensee does not propose to acquire any new Stations in this application. The Licensee only holds authorizations to one full power station and two translators, which complies with the Commission's multiple ownership rules.