

### KUFR Proposed - Channel Study

REFERENCE CH# 219A - 91.7 MHz, Pwr= 0.3 kW DA, HAAT= -66.2 M, COR= 1439 M DISPLAY DATES  
 40 45 48.0 N. Average Protected F(50-50)= 7.4 km DATA 02-13-24  
 111 53 26.0 W. Standard Directional SEARCH 02-13-24

CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
219A Salt Lake City	KUFR!	LIC UT	CN	22.2	0.69	40 46 08.80 111 53 14.80	0.220 -97		---Reference---		
				202.2	BMLED20150218ACB			1413	Family Stations, Inc.		
219A Salt Lake City	KUFR!	STA UT	CN	0.0	0.00	40 45 48.00 111 53 26.00	0.050 -97		---Reference---		
				81.7	0000214864			1439	Family Stations, Inc.		
219A Park City	KPCW	LIC UT	DCN	106.0	32.31	40 40 58.80 111 31 22.70	1.800 3	19.5	5.9	6.9	7.1
				286.2	BLED20160512ABK			2278	Community Wireless Of Park		
218C Logan	KUSU-FM	LIC UT	CN	353.1	125.63	41 53 10.70 112 04 19.80	90.000 347	108.3	74.3	9.9	40.7
				173.0	BMLED20081210AAE			1841	Utah State University Of A		
219A Orem	KOHS	LIC UT	ZCN	158.0	55.51	40 17 59.80 111 38 40.70	1.000 -238	32.7	9.5	13.5	14.8
				338.1	BLED20160511AAZ			1634	Alpine School District Ore		
221A Payson	KTCE<<	LIC UT	ZCN	175.5	75.09	40 05 20.80 111 49 17.70	0.125 657	0.8	29.0	31.0R	44.1M
				355.6	BLH20050118ALE			2082	Moenkopi Communications, I		
272C Randolph	KDUT<<	LIC UT	HN	80.7	76.41	40 52 15.80 110 59 45.60	89.000 647	156.8	70.2	29.0R	47.4M
				261.3	BLH20030729AEW			3330	Alpha Media Licensee LLC		
220A Evanston	KPMD<<	LIC WY	NCN	51.2	105.33	41 21 09.80 110 54 31.60	0.215 457	44.3	28.4	53.7	66.3
				231.8	BLED20160928AGS			2633	Western Inspirational Broa		

Terrain database is FCC NGDC 30 Sec, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM

Contour distances are on direct line to and from reference station. Reference Zone= - ZN2, Co to 3rd adjacent.

Call signs with exclamation marks need not be protected.

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt (Y,N,X)

""affixed to 'IN' or 'OUT' values = site inside restricted contour.

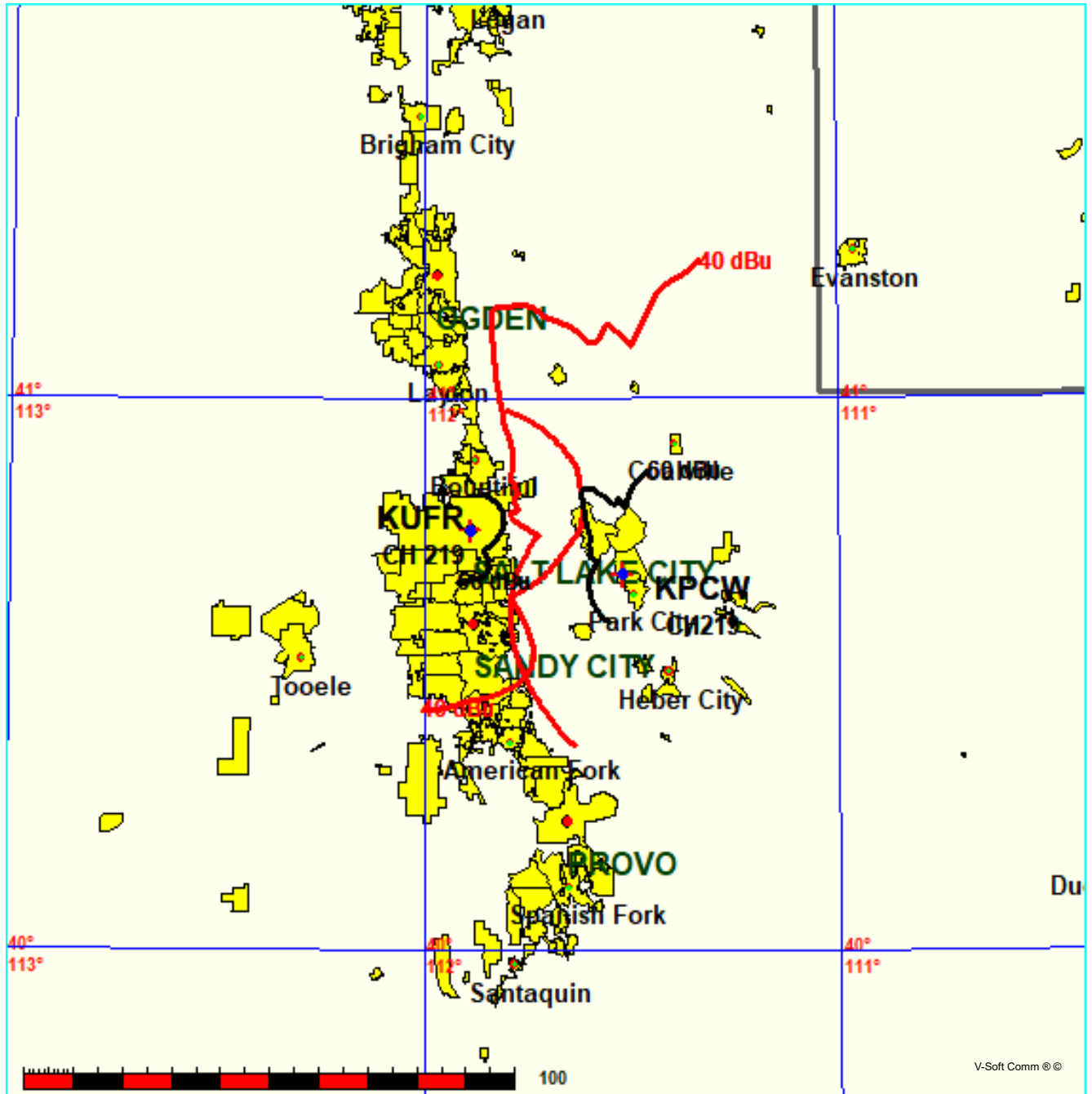
<< = Station meets FCC minimum distance spacing for its class.

Exhibit 18-A

FMCommander Single Allocation Study - 02-18-2024 - FCC NGDC 30 Sec  
KUFR's Overlaps (In= 6.95 km, Out= 7.09 km)

KUFR CH 219 A DA  
Lat= 40 45 48.00, Lng= 111 53 26.00  
0.3 kW -66.2 m HAAT, 1439 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

KPCW CH 219 A DA BLED20160512ABK  
Lat= 40 40 58.80, Lng= 111 31 22.70  
1.8 kW 3 m HAAT, 2278 m COR  
Prot.= 60 dBu, Intef.= 40 dBu



**KPCW vs. KUFR.P**

02-19-2024      Terrain Data: FCC NGDC 30 Sec      FMOver Analysis

KUFR.P

KPCW BLED20160512ABK

Channel = 219A  
Max ERP = 0.3 kw  
RCAMSL = 1439 m  
N. Lat. 40 45 48.00  
W. Lng. 111 53 26.00  
Protected  
60 dBu

Channel = 219A  
Max ERP = 1.8 kw  
RCAMSL = 2278 m  
N. Lat. 40 40 58.80  
W. Lng. 111 31 22.70  
Interfering  
40 dBu

Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
046.0	000.3000	-0617.5	007.4	298.9	000.0898	0058.4	029.3	37.65	
047.0	000.3000	-0622.0	007.4	298.8	000.0899	0058.6	029.2	37.75	
048.0	000.3000	-0618.3	007.4	298.7	000.0901	0058.8	029.0	37.86	
049.0	000.3000	-0613.2	007.4	298.6	000.0904	0059.0	028.9	37.97	
050.0	000.3000	-0612.0	007.4	298.6	000.0906	0059.1	028.8	38.07	
051.0	000.3000	-0614.4	007.4	298.5	000.0908	0059.3	028.7	38.18	
052.0	000.3000	-0616.6	007.4	298.4	000.0911	0059.5	028.6	38.28	
053.0	000.3000	-0617.5	007.4	298.2	000.0913	0059.6	028.4	38.38	
054.0	000.3000	-0617.6	007.4	298.1	000.0916	0059.7	028.3	38.48	
055.0	000.3000	-0617.0	007.4	298.0	000.0919	0059.7	028.2	38.56	
056.0	000.3000	-0617.3	007.4	297.9	000.0922	0059.7	028.1	38.65	
057.0	000.3000	-0618.8	007.4	297.8	000.0925	0059.6	028.0	38.71	
058.0	000.3000	-0618.9	007.4	297.6	000.0928	0059.4	027.9	38.77	
059.0	000.3000	-0613.8	007.4	297.5	000.0932	0059.1	027.8	38.81	
060.0	000.3000	-0603.6	007.4	297.4	000.0935	0058.7	027.6	38.84	
061.0	000.2948	-0588.3	007.4	297.1	000.0940	0058.0	027.6	38.82	
062.0	000.2897	-0570.8	007.4	296.9	000.0945	0057.0	027.5	38.76	
063.0	000.2845	-0554.0	007.3	296.7	000.0951	0055.8	027.4	38.65	
064.0	000.2795	-0538.6	007.3	296.5	000.0956	0054.3	027.3	38.49	
065.0	000.2745	-0524.5	007.3	296.3	000.0962	0052.5	027.2	38.26	
066.0	000.2695	-0507.2	007.2	296.1	000.0967	0050.3	027.2	37.95	
067.0	000.2646	-0487.7	007.2	295.8	000.0973	0047.7	027.1	37.55	
068.0	000.2597	-0469.5	007.2	295.6	000.0979	0044.8	027.0	37.06	
069.0	000.2549	-0453.5	007.1	295.4	000.0985	0041.5	026.9	36.46	
070.0	000.2501	-0438.6	007.1	295.1	000.0991	0037.9	026.9	35.74	

KUFR.P vs. KPCW

02-19-2024 Terrain Data: FCC NGDC 30 Sec FMOver Analysis

KPCW BLED20160512ABK

KUFR.P

Channel = 219A  
Max ERP = 1.8 kw  
RCAMSL = 2278 m  
N. Lat. 40 40 58.80  
W. Lng. 111 31 22.70  
Protected  
60 dBu

Channel = 219A  
Max ERP = 0.3 kw  
RCAMSL = 1439 m  
N. Lat. 40 45 48.00  
W. Lng. 111 53 26.00  
Interfering  
40 dBu

Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
315.0	000.0650	0103.3	009.4	095.2	000.1615	-0265.2	024.5	37.61	
316.0	000.0636	0108.8	009.6	094.7	000.1650	-0262.7	024.4	37.73	
317.0	000.0623	0113.4	009.8	094.1	000.1680	-0260.8	024.4	37.80	
318.0	000.0609	0119.3	009.9	093.5	000.1714	-0260.9	024.4	37.90	
319.0	000.0596	0128.5	010.2	092.8	000.1761	-0267.1	024.3	38.08	
320.0	000.0583	0141.1	010.7	091.7	000.1825	-0269.7	024.2	38.35	
321.0	000.0596	0154.8	011.3	090.3	000.1911	-0274.4	023.9	38.72	
322.0	000.0609	0167.4	011.8	089.0	000.1965	-0278.8	023.7	38.97	
323.0	000.0623	0177.4	012.3	087.8	000.2008	-0280.3	023.7	39.12	
324.0	000.0636	0187.7	012.6	086.8	000.2046	-0286.2	023.6	39.23	
325.0	000.0650	0201.7	013.1	085.5	000.2096	-0288.9	023.6	39.38	
326.0	000.0664	0218.5	013.7	083.9	000.2154	-0292.6	023.5	39.56	
327.0	000.0677	0234.2	014.3	082.5	000.2209	-0307.4	023.4	39.69	
328.0	000.0691	0249.5	014.8	081.1	000.2264	-0323.7	023.5	39.79	
329.0	000.0706	0267.0	015.4	079.4	000.2319	-0339.3	023.5	39.88	
330.0	000.0720	0286.6	016.1	077.5	000.2354	-0358.9	023.5	39.93	
331.0	000.0756	0306.4	016.9	075.4	000.2395	-0375.6	023.5	39.97	
332.0	000.0794	0324.7	017.7	073.5	000.2432	-0392.3	023.7	39.95	
333.0	000.0832	0338.1	018.3	072.0	000.2462	-0409.5	023.9	39.86	
334.0	000.0871	0341.6	018.6	071.2	000.2478	-0421.0	024.1	39.70	
335.0	000.0911	0334.8	018.6	071.0	000.2481	-0423.6	024.5	39.48	
336.0	000.0952	0322.8	018.5	071.2	000.2477	-0420.3	024.8	39.25	
337.0	000.0994	0312.9	018.4	071.3	000.2475	-0418.4	025.1	39.02	
338.0	000.1037	0306.1	018.4	071.3	000.2475	-0418.8	025.4	38.81	
339.0	000.1080	0298.7	018.3	071.4	000.2474	-0418.1	025.8	38.60	
340.0	000.1125	0288.5	018.2	071.6	000.2469	-0414.1	026.1	38.38	
341.0	000.1180	0273.2	017.9	072.3	000.2456	-0406.2	026.4	38.15	
342.0	000.1236	0252.2	017.4	073.4	000.2434	-0393.4	026.7	37.91	
343.0	000.1293	0233.1	016.9	074.5	000.2414	-0381.7	027.0	37.69	
344.0	000.1351	0218.9	016.5	075.2	000.2399	-0376.6	027.4	37.48	
345.0	000.1411	0208.0	016.2	075.7	000.2389	-0374.0	027.6	37.29	



**KUSU-FM vs. KUFR.P**

02-20-2024 Terrain Data: FCC NGDC 30 Sec FMOver Analysis

KUFR

KUSU-FM BMLED20081210AAE

Channel = 219A  
Max ERP = 0.3 kw  
RCAMSL = 1439 m  
N. Lat. 40 45 48.00  
W. Lng. 111 53 26.00  
Protected  
60 dBu

Channel = 218C  
Max ERP = 90 kw  
RCAMSL = 1841 m  
N. Lat. 41 53 10.70  
W. Lng. 112 04 19.80  
Interfering  
54 dBu

Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
305.0	000.3000	0152.2	016.9	179.3	090.0000	0353.4	115.1	52.79	
306.0	000.3000	0152.3	016.9	179.2	090.0000	0353.0	114.8	52.84	
307.0	000.3000	0152.3	016.9	179.1	090.0000	0352.6	114.6	52.88	
308.0	000.3000	0152.1	016.9	179.0	090.0000	0352.1	114.4	52.92	
309.0	000.3000	0151.8	016.9	178.9	090.0000	0351.7	114.2	52.95	
310.0	000.3000	0151.5	016.8	178.8	090.0000	0351.2	113.9	52.98	
311.0	000.3000	0151.3	016.8	178.7	090.0000	0350.7	113.7	53.02	
312.0	000.3000	0151.3	016.8	178.6	090.0000	0350.2	113.5	53.05	
313.0	000.3000	0151.6	016.8	178.5	090.0000	0349.9	113.3	53.10	
314.0	000.3000	0152.0	016.9	178.4	090.0000	0350.0	113.1	53.16	
315.0	000.3000	0152.5	016.9	178.3	090.0000	0350.1	112.8	53.22	
316.0	000.3000	0152.9	016.9	178.2	090.0000	0350.4	112.6	53.29	
317.0	000.3000	0152.9	016.9	178.1	090.0000	0350.7	112.4	53.35	
318.0	000.3000	0152.5	016.9	178.0	090.0000	0350.9	112.2	53.41	
319.0	000.3000	0151.9	016.9	177.9	090.0000	0351.2	112.1	53.46	
320.0	000.3000	0151.2	016.8	177.7	090.0000	0351.5	111.9	53.51	
321.0	000.3000	0150.4	016.8	177.6	090.0000	0351.8	111.8	53.56	
322.0	000.3000	0149.5	016.7	177.4	090.0000	0352.0	111.7	53.60	
323.0	000.3000	0148.4	016.6	177.3	090.0000	0352.3	111.6	53.64	
324.0	000.3000	0147.3	016.6	177.2	090.0000	0352.6	111.5	53.68	
325.0	000.3000	0146.1	016.5	177.0	090.0000	0352.9	111.4	53.71	
326.0	000.3000	0145.1	016.4	176.9	090.0000	0353.1	111.3	53.75	
327.0	000.3000	0144.3	016.4	176.7	090.0000	0353.3	111.2	53.78	
328.0	000.3000	0143.6	016.3	176.6	090.0000	0353.5	111.1	53.82	
329.0	000.3000	0142.6	016.2	176.4	090.0000	0353.7	111.0	53.84	
330.0	000.3000	0141.7	016.2	176.3	090.0000	0353.9	111.0	53.87	
331.0	000.3000	0140.8	016.1	176.1	090.0000	0354.1	110.9	53.90	
332.0	000.3000	0139.9	016.0	176.0	090.0000	0354.2	110.8	53.92	
333.0	000.3000	0138.9	016.0	175.9	090.0000	0354.1	110.8	53.92	
334.0	000.3000	0137.8	015.9	175.7	090.0000	0353.8	110.7	53.92	
335.0	000.3000	0136.6	015.8	175.6	090.0000	0353.4	110.7	53.91	
336.0	000.3000	0135.1	015.7	175.4	090.0000	0352.8	110.7	53.89	
337.0	000.3000	0133.3	015.6	175.3	090.0000	0352.1	110.8	53.85	
338.0	000.3000	0130.8	015.4	175.1	090.0000	0351.3	110.8	53.79	
339.0	000.3000	0127.7	015.2	174.9	090.0000	0350.3	110.9	53.72	
340.0	000.3000	0123.7	015.0	174.8	090.0000	0349.3	111.1	53.63	
341.0	000.3000	0118.6	014.7	174.6	090.0000	0348.3	111.4	53.53	
342.0	000.3000	0112.4	014.3	174.4	090.0000	0347.2	111.7	53.40	
343.0	000.3000	0105.2	013.8	174.3	090.0000	0346.2	112.1	53.25	
344.0	000.3000	0097.3	013.3	174.1	090.0000	0345.2	112.6	53.08	
345.0	000.3000	0089.3	012.7	173.9	090.0000	0344.3	113.1	52.91	
346.0	000.3000	0081.4	012.2	173.8	090.0000	0343.5	113.6	52.75	

# Family Stations, Inc.

Exhibit 18-B  
Salt Lake City, UT

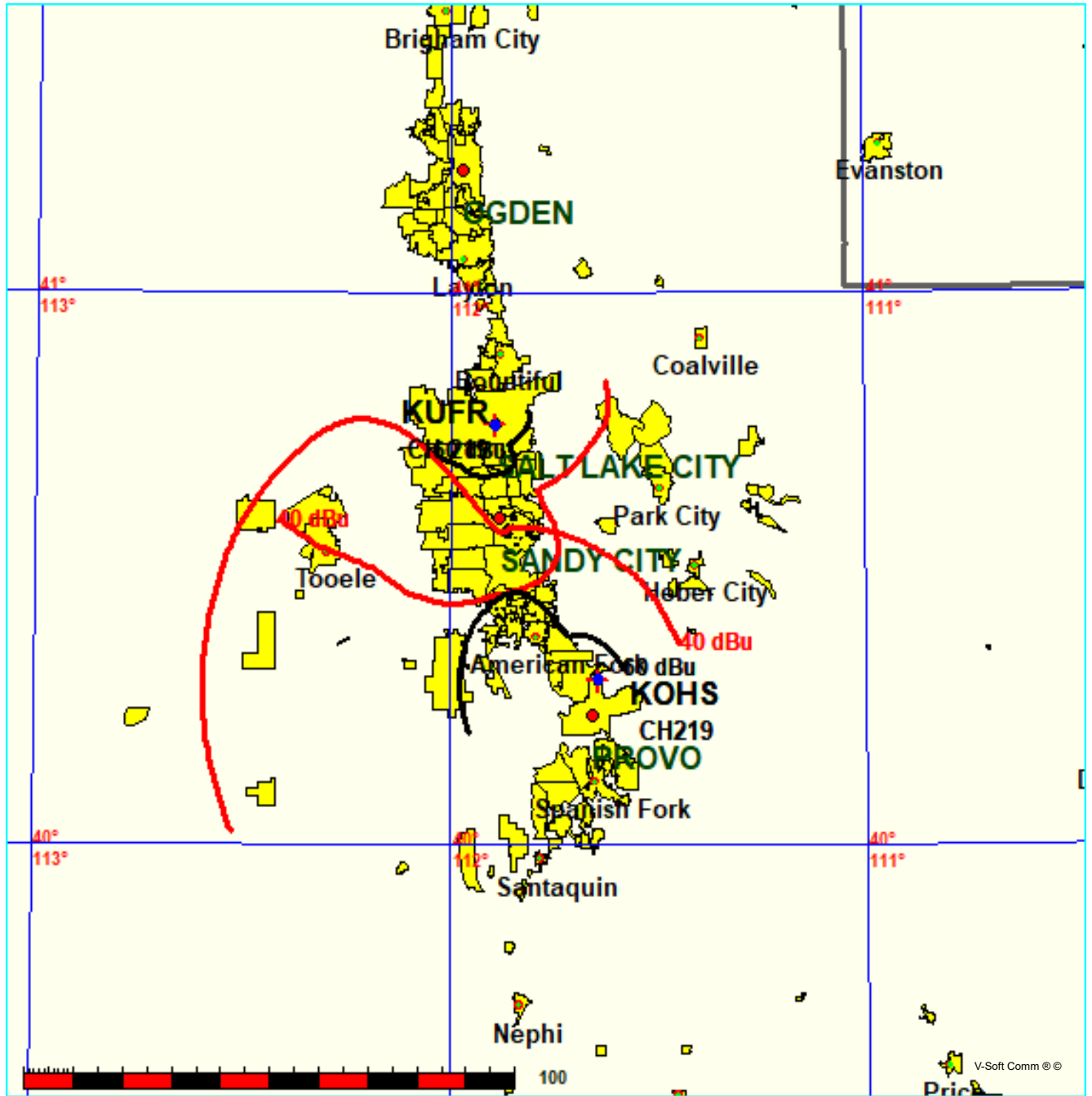
347.0	000.3000	0074.0	011.7	173.6	090.0000	0342.7	114.1	52.59
348.0	000.3000	0067.2	011.2	173.5	090.0000	0342.1	114.5	52.45
349.0	000.3000	0060.5	010.7	173.4	090.0000	0341.7	115.0	52.31
350.0	000.3000	0053.4	010.1	173.3	090.0000	0341.3	115.6	52.14
351.0	000.3000	0046.2	009.3	173.2	090.0000	0340.9	116.4	51.94
352.0	000.3000	0038.5	008.4	173.1	090.0000	0340.5	117.2	51.71
353.0	000.3000	0030.0	007.4	173.0	090.0000	0340.2	118.2	51.46
354.0	000.3000	0021.0	007.4	173.0	090.0000	0339.9	118.2	51.45
355.0	000.3000	0012.3	007.4	172.9	090.0000	0339.7	118.2	51.43

Exhibit 18-C

FMCommander Single Allocation Study - 02-20-2024 - FCC NGDC 30 Sec  
KUFR's Overlaps (In= 13.48 km, Out= 14.77 km)

KUFR CH 219 A DA  
Lat= 40 45 48.00, Lng= 111 53 26.00  
0.3 kW -66.2 m HAAT, 1439 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

KOHS CH 219 A 73.215 Z BLED20160511AAZ  
Lat= 40 17 59.80, Lng= 111 38 40.70  
1.0 kW -238 m HAAT, 1634 m COR  
Prot.= 60 dBu, Intef.= 40 dBu





KOHS vs. KUFR.P

02-20-2024 Terrain Data: FCC NGDC 30 Sec FMOver Analysis

KUFR

KOHS BLED20160511AAZ

Channel = 219A  
Max ERP = 0.3 kw  
RCAMSL = 1439 m  
N. Lat. 40 45 48.00  
W. Lng. 111 53 26.00  
Protected  
60 dBu

Channel = 219A  
Max ERP = 1 kw  
RCAMSL = 1634 m  
N. Lat. 40 17 59.80  
W. Lng. 111 38 40.70  
Interfering  
40 dBu

Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
145.0	000.0602	-0049.5	004.9	339.4	001.0000	-0519.0	050.7	35.79	
146.0	000.0597	-0023.7	004.9	339.3	001.0000	-0517.5	050.7	35.79	
147.0	000.0591	0000.9	004.9	339.2	001.0000	-0515.9	050.7	35.79	
148.0	000.0586	0023.3	004.9	339.1	001.0000	-0514.4	050.7	35.79	
149.0	000.0581	0044.0	005.9	339.2	001.0000	-0516.0	049.7	36.01	
150.0	000.0576	0061.8	007.0	339.3	001.0000	-0517.3	048.6	36.25	
151.0	000.0570	0074.9	007.7	339.2	001.0000	-0516.8	047.9	36.40	
152.0	000.0565	0083.5	008.1	339.1	001.0000	-0515.3	047.4	36.50	
153.0	000.0560	0089.8	008.4	339.0	001.0000	-0513.3	047.1	36.57	
154.0	000.0555	0095.0	008.7	338.8	001.0000	-0511.2	046.9	36.63	
155.0	000.0550	0099.5	008.9	338.7	001.0000	-0509.0	046.7	36.68	
156.0	000.0544	0103.5	009.0	338.5	001.0000	-0507.0	046.5	36.72	
157.0	000.0539	0107.4	009.2	338.3	001.0000	-0505.3	046.3	36.76	
158.0	000.0534	0111.1	009.3	338.1	001.0000	-0503.9	046.2	36.79	
159.0	000.0529	0114.6	009.4	337.9	001.0000	-0502.8	046.1	36.82	
160.0	000.0524	0117.7	009.5	337.7	001.0000	-0502.0	046.0	36.84	
161.0	000.0519	0120.3	009.6	337.5	001.0000	-0501.4	045.9	36.85	
162.0	000.0517	0122.6	009.7	337.3	001.0000	-0500.9	045.9	36.87	
163.0	000.0512	0124.7	009.7	337.0	001.0000	-0500.6	045.8	36.88	
164.0	000.0507	0126.5	009.8	336.8	001.0000	-0500.2	045.8	36.88	
165.0	000.0504	0128.0	009.8	336.6	001.0000	-0499.5	045.8	36.89	
166.0	000.0499	0129.2	009.8	336.4	001.0000	-0498.4	045.8	36.89	
167.0	000.0495	0130.3	009.9	336.2	001.0000	-0496.8	045.8	36.88	
168.0	000.0490	0132.0	009.9	336.0	001.0000	-0494.4	045.8	36.88	
169.0	000.0487	0134.0	010.0	335.7	001.0000	-0491.0	045.8	36.89	
170.0	000.0482	0135.6	010.0	335.5	001.0000	-0486.9	045.8	36.89	
171.0	000.0482	0136.6	010.0	335.3	001.0000	-0481.9	045.8	36.89	
172.0	000.0482	0137.3	010.1	335.1	001.0000	-0476.2	045.8	36.88	
173.0	000.0482	0138.0	010.1	334.8	001.0000	-0469.6	045.9	36.87	
174.0	000.0482	0138.7	010.1	334.6	001.0000	-0462.4	045.9	36.86	
175.0	000.0482	0139.4	010.1	334.4	001.0000	-0454.4	045.9	36.86	
176.0	000.0482	0140.3	010.2	334.2	001.0000	-0445.5	046.0	36.85	
177.0	000.0482	0141.1	010.2	334.0	001.0000	-0436.1	046.0	36.84	
178.0	000.0482	0141.8	010.2	333.7	001.0000	-0426.3	046.1	36.83	
179.0	000.0482	0142.2	010.2	333.5	001.0000	-0416.1	046.1	36.81	
180.0	000.0482	0142.8	010.3	333.3	001.0000	-0405.5	046.2	36.80	
181.0	000.0495	0143.1	010.3	333.1	001.0000	-0392.9	046.2	36.79	
182.0	000.0504	0143.2	010.4	332.9	001.0000	-0380.4	046.2	36.78	
183.0	000.0517	0143.5	010.5	332.6	001.0000	-0367.0	046.3	36.78	
184.0	000.0527	0143.7	010.5	332.4	001.0000	-0353.8	046.3	36.76	
185.0	000.0539	0144.2	010.6	332.1	001.0000	-0339.5	046.3	36.76	
186.0	000.0552	0144.6	010.7	331.9	001.0000	-0324.9	046.4	36.75	
187.0	000.0562	0145.0	010.7	331.7	001.0000	-0310.9	046.4	36.73	
188.0	000.0576	0145.3	010.8	331.4	001.0000	-0296.6	046.5	36.72	

189.0	000.0586	0145.4	010.9	331.2	001.0000	-0283.0	046.6	36.70
190.0	000.0599	0145.4	010.9	331.0	001.0000	-0269.2	046.6	36.69
191.0	000.0618	0145.3	011.0	330.7	001.0000	-0254.7	046.7	36.67
192.0	000.0638	0144.9	011.1	330.5	001.0000	-0240.9	046.8	36.65
193.0	000.0657	0143.8	011.1	330.3	001.0000	-0228.6	046.9	36.63
194.0	000.0677	0142.6	011.1	330.1	001.0000	-0216.9	047.0	36.60
195.0	000.0700	0141.4	011.2	329.9	001.0000	-0204.7	047.1	36.58
196.0	000.0720	0139.9	011.2	329.7	001.0000	-0194.1	047.2	36.55
197.0	000.0741	0138.0	011.2	329.6	001.0000	-0184.8	047.4	36.51
198.0	000.0762	0136.1	011.2	329.4	001.0000	-0176.0	047.5	36.48
199.0	000.0783	0134.7	011.2	329.2	001.0000	-0166.5	047.7	36.45
200.0	000.0805	0133.6	011.2	329.1	001.0000	-0156.5	047.8	36.42
201.0	000.0821	0132.6	011.2	328.9	001.0000	-0147.7	048.0	36.38
202.0	000.0833	0131.7	011.2	328.8	001.0000	-0139.5	048.1	36.35
203.0	000.0849	0131.1	011.3	328.6	001.0000	-0130.5	048.2	36.32
204.0	000.0865	0130.6	011.3	328.4	001.0000	-0121.8	048.4	36.29
205.0	000.0878	0130.0	011.3	328.3	001.0000	-0114.0	048.6	36.25
206.0	000.0894	0129.2	011.3	328.2	001.0000	-0106.3	048.7	36.22
207.0	000.0911	0128.2	011.3	328.0	001.0000	-0099.6	048.9	36.18
208.0	000.0927	0126.6	011.3	327.9	001.0000	-0094.3	049.1	36.15
209.0	000.0941	0124.9	011.3	327.9	001.0000	-0090.3	049.2	36.10
210.0	000.0958	0123.3	011.3	327.8	001.0000	-0085.8	049.4	36.07
211.0	000.0958	0122.2	011.2	327.7	001.0000	-0082.9	049.6	36.02
212.0	000.0961	0121.7	011.2	327.6	001.0000	-0078.4	049.8	35.98
213.0	000.0961	0121.6	011.2	327.5	001.0000	-0073.7	050.0	35.94
214.0	000.0961	0121.8	011.2	327.4	001.0000	-0068.6	050.2	35.91
215.0	000.0964	0122.1	011.2	327.3	001.0000	-0063.2	050.3	35.87
216.0	000.0964	0122.2	011.2	327.2	001.0000	-0058.8	050.5	35.83
217.0	000.0964	0122.1	011.2	327.2	001.0000	-0055.1	050.7	35.79

**KUFR.P vs. KOHS**

02-20-2024 Terrain Data: FCC NGDC 30 Sec FMOver Analysis

KOHS BLED20160511AAZ

KUFR

Channel = 219A  
Max ERP = 1 kw  
RCAMSL = 1634 m  
N. Lat. 40 17 59.80  
W. Lng. 111 38 40.70  
Protected  
60 dBu

Channel = 219A  
Max ERP = 0.3 kw  
RCAMSL = 1439 m  
N. Lat. 40 45 48.00  
W. Lng. 111 53 26.00  
Interfering  
40 dBu

Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
290.0	001.0000	0234.0	027.7	187.1	000.0563	0145.1	042.4	37.09	
291.0	001.0000	0233.3	027.7	186.9	000.0561	0145.0	041.9	37.28	
292.0	001.0000	0232.4	027.6	186.6	000.0559	0144.9	041.4	37.45	
293.0	001.0000	0231.1	027.5	186.3	000.0556	0144.7	041.0	37.62	
294.0	001.0000	0229.5	027.4	186.0	000.0552	0144.6	040.6	37.79	
295.0	001.0000	0227.6	027.3	185.7	000.0548	0144.5	040.2	37.93	
296.0	001.0000	0225.9	027.2	185.3	000.0543	0144.3	039.7	38.08	
297.0	001.0000	0224.4	027.2	184.9	000.0538	0144.1	039.3	38.22	
298.0	001.0000	0223.1	027.1	184.5	000.0534	0144.0	038.9	38.36	
299.0	001.0000	0221.8	027.0	184.1	000.0529	0143.8	038.5	38.50	
300.0	001.0000	0220.2	026.9	183.7	000.0524	0143.7	038.1	38.63	
301.0	001.0000	0218.5	026.8	183.3	000.0519	0143.6	037.8	38.77	

# Family Stations, Inc.

## Exhibit 18-C Salt Lake City, UT

302.0	001.0000	0216.7	026.7	182.8	000.0514	0143.5	037.4	38.89
303.0	001.0000	0214.7	026.6	182.3	000.0508	0143.3	037.1	38.99
304.0	001.0000	0212.7	026.4	181.7	000.0502	0143.2	036.7	39.09
305.0	001.0000	0210.7	026.3	181.2	000.0496	0143.1	036.4	39.19
306.0	001.0000	0208.7	026.2	180.6	000.0490	0143.1	036.1	39.29
307.0	001.0000	0206.6	026.1	180.0	000.0483	0142.8	035.8	39.35
308.0	001.0000	0204.4	025.9	179.4	000.0482	0142.5	035.5	39.46
309.0	001.0000	0202.1	025.8	178.8	000.0482	0142.1	035.3	39.57
310.0	001.0000	0199.8	025.7	178.1	000.0482	0141.8	035.0	39.68
311.0	001.0000	0197.3	025.5	177.5	000.0482	0141.5	034.8	39.77
312.0	001.0000	0194.5	025.4	176.8	000.0482	0140.9	034.6	39.83
313.0	001.0000	0191.2	025.2	176.0	000.0482	0140.3	034.4	39.88
314.0	001.0000	0187.2	024.9	175.2	000.0482	0139.6	034.3	39.90
315.0	001.0000	0182.5	024.7	174.4	000.0482	0139.0	034.2	39.90
316.0	001.0000	0176.8	024.3	173.5	000.0482	0138.3	034.2	39.86
317.0	001.0000	0170.1	023.9	172.5	000.0482	0137.6	034.3	39.78
318.0	001.0000	0162.5	023.4	171.5	000.0482	0137.0	034.5	39.66
319.0	001.0000	0153.9	022.9	170.4	000.0482	0136.1	034.7	39.47
320.0	001.0000	0143.6	022.1	169.2	000.0486	0134.4	035.1	39.20
321.0	000.9960	0130.6	021.2	168.0	000.0490	0131.9	035.8	38.76
322.0	000.9920	0113.7	019.9	166.5	000.0497	0129.8	036.9	38.20
323.0	000.9880	0092.9	017.8	164.8	000.0505	0127.8	038.6	37.33
324.0	000.9841	0068.0	014.9	163.0	000.0512	0124.7	041.2	36.06
325.0	000.9801	0037.5	011.2	161.2	000.0519	0120.8	044.7	34.42

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