

Proposed Channel Study - Breckenridge  
Rocky Mountain Public Broadcasting Network  
Average Protected F(50-50)= 24.59 km  
73.215 Directional

REFERENCE  
39 27 34.90 N.  
105 58 48.00 W.

CH# 219A - 91.7 MHz, Pwr= 0.12 kW DA, HAAT= 510.1 M, COR= 3824 M  
Average Protected F(50-50)= 24.59 km  
73.215 Directional

DISPLAY DATES  
DATA 12-17-21  
SEARCH 12-17-21

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DI ST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
219A Lake George	768782	APP _CN CO		138.5 318.8	60.66 0000167329	39 03 01.00 105 30 51.00	0.021 681	51.5 3445	13.0 Cedar Cove Broadcasting, I	0.2	0.1
219C3 Steamboat Springs	KTSG	LIC _HN CO		326.6 146.1	133.83 BLED20080305AFF	40 27 42.90 106 51 00.20	2.500 186	92.5 2530	25.9 Educational Communications	15.1	0.2
220C2 Glenwood Springs	KLXV	LIC _EN CO		268.6 87.7	120.26 BLED20040810ABV	39 25 29.90 107 22 48.10	0.750 811	81.8 3261	55.5 Educational Media Foundati	12.1	27.0
221C2 Castle Rock	KJMN«	LIC NCN CO		95.6 276.2	80.65 BLH20050603AAV	39 23 06.90 105 02 53.90	42.000 163	2.9 2226	25.5 Entravisi on Hol di ngs, LLC	54.5R	26.2M
216C0 Morrison	KLDV	LIC _CN CO		76.5 257.0	67.82 BMLED20160830ABQ	39 35 59.90 105 12 36.90	100.000 356	4.6 2448	34.3 Educational Media Foundati	45.7	27.4
218A Aspen	KAJX	LIC D _ CO		247.8 67.3	76.69 BLED19910514KC	39 11 47.90 106 48 16.10	0.380 -301	6.6 2670	5.2 Roaring Fork Public Radio	48.5	42.4
218C1 Greel ey	KUNC	LIC _CN CO		23.1 203.5	140.17 BLED20070727ACF	40 37 02.90 105 19 40.90	36.000 384	72.6 2565	47.4 Community Radio For Northe	43.9	46.7
217C3 Gypsum	KLRY	LIC _CN CO		295.6 115.0	82.06 BLED20051109AAM	39 46 30.00 106 50 47.10	0.110 859	0.7 3361	31.7 Educational Media Foundati	53.3	48.9
272A Greenwood Village	KV0Q«	LIC DCN CO		64.3 244.7	70.69 0000141833	39 43 59.00 105 14 12.00	1.450 204	0.0 2256	0.0 Public Broadcasting Of Col	9.5R	61.2M
272A Greenwood Village	KV0Q«	LIC D _ CO		64.3 244.7	70.69	39 43 59.00 105 14 11.99	1.500 204	0.0 2256	0.0 User	9.5R	61.2M
217C2 Sal ida	KTPF	LIC _CN CO		181.4 1.3	112.66 BLED20070817ACM	38 26 47.90 106 00 38.00	0.390 900	1.4 3567	50.9 Educational Communications	96.8	61.5

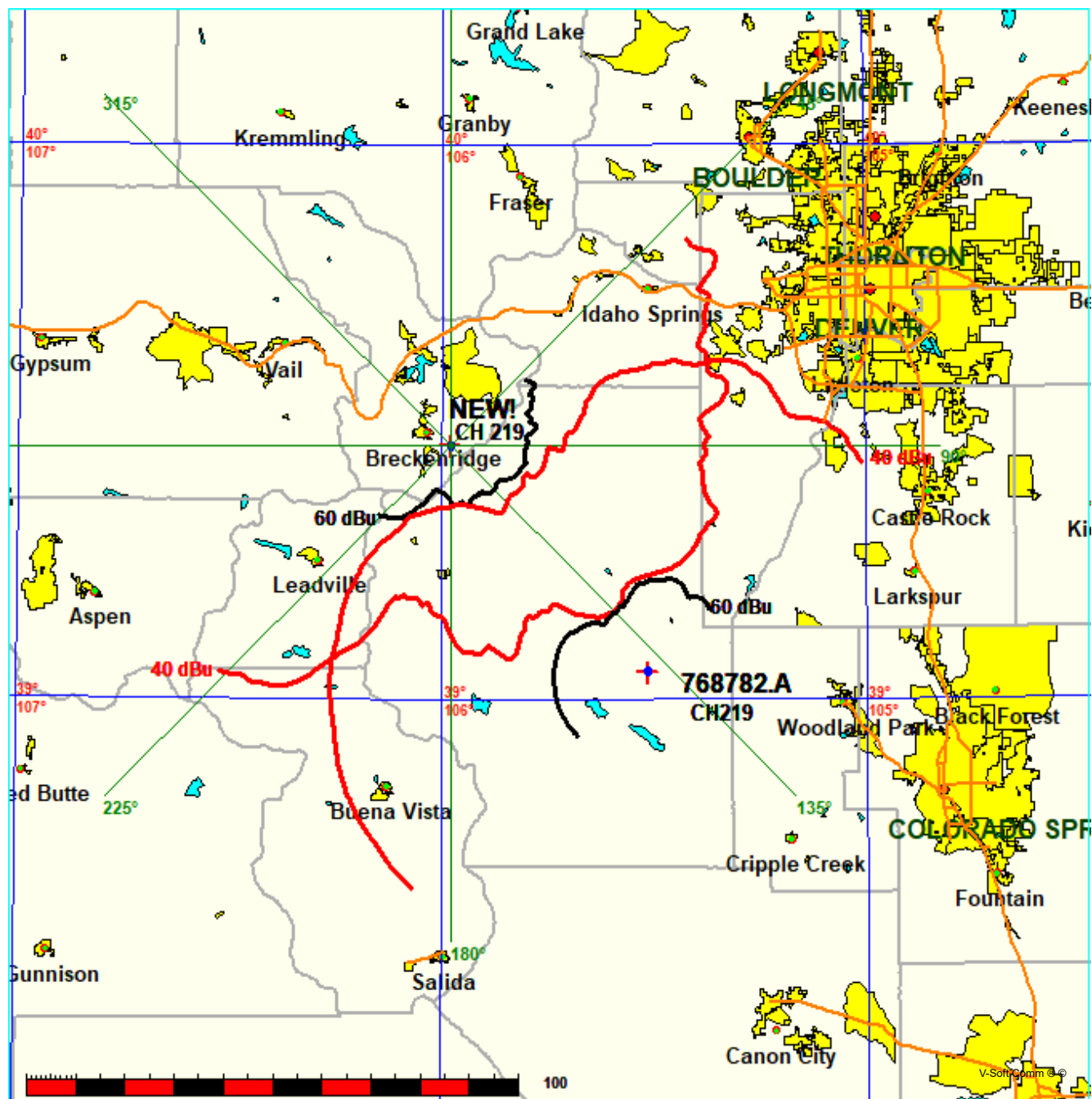
Terrain database is FCC 30 meter , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
In & Out distances between contours are shown at closest points. Reference zone= - Zone 2, Co to 3rd adjacent.  
All separation margins (if shown) include rounding.  
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
« = Station meets FCC minimum distance spacing for its class.

Proposed Channel Study - Breckenridge vs 768782.A  
Rocky Mountain Public Broadcasting Network

FMCommander Single Allocation Study - 12-17-2021 - FCC 30 meter  
NEW!'s Overlaps (In= 0.16 km, Out= 0.06 km)

NEW! CH 219 A 73.215 Z  
Lat= 39 27 34.90, Lng= 105 58 48.00  
0.12 kW 510.1 m HAAT, 3824 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

768782 CH 219 A 0000167329  
Lat= 39 03 01.00, Lng= 105 30 51.00  
0.021 kW 680.9 m HAAT, 3445 m COR  
Prot.= 60 dBu, Intef.= 40 dBu



12-17-2021

Terrain Data: FCC 30 meter

FMOver Analysis

NEW!

768782 0000167329

Channel = 219A  
 Max ERP = 0.12 kW  
 RCAMSL = 3824 m  
 N. Lat. 39 27 34.90  
 W. Lng. 105 58 48.00  
 Protected  
 60 dBu

Channel = 219A  
 Max ERP = 0.021 kW  
 RCAMSL = 3445 m  
 N. Lat. 39 03 01.00  
 W. Lng. 105 30 51.00  
 Interfering  
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
078.0	000.0671	0353.1	017.6	335.2	000.0210	0417.0	054.2	37.91	
079.0	000.0641	0354.4	017.5	335.0	000.0210	0412.9	053.9	37.91	
080.0	000.0612	0350.3	017.2	334.6	000.0210	0406.8	053.7	37.83	
081.0	000.0585	0351.6	017.0	334.3	000.0210	0402.4	053.5	37.81	
082.0	000.0558	0333.5	016.3	333.5	000.0210	0389.1	053.4	37.50	
083.0	000.0534	0312.6	015.6	332.7	000.0210	0379.0	053.4	37.23	
084.0	000.0509	0310.6	015.4	332.3	000.0210	0374.9	053.2	37.18	
085.0	000.0487	0321.6	015.5	332.3	000.0210	0374.9	052.9	37.29	
086.0	000.0464	0330.6	015.5	332.3	000.0210	0374.9	052.7	37.38	
087.0	000.0444	0344.3	015.6	332.3	000.0210	0374.9	052.4	37.50	
088.0	000.0423	0356.4	015.7	332.2	000.0210	0374.9	052.1	37.61	
089.0	000.0405	0357.6	015.6	332.0	000.0210	0373.7	051.9	37.64	
090.0	000.0386	0359.5	015.4	331.7	000.0210	0372.8	051.7	37.68	
091.0	000.0368	0369.4	015.5	331.5	000.0210	0372.6	051.5	37.77	
092.0	000.0353	0375.9	015.4	331.3	000.0210	0372.9	051.3	37.86	
093.0	000.0336	0376.0	015.2	331.0	000.0210	0371.9	051.2	37.88	
094.0	000.0321	0375.5	015.0	330.7	000.0210	0370.3	051.0	37.88	
095.0	000.0307	0387.2	015.1	330.6	000.0210	0369.6	050.8	37.95	
096.0	000.0293	0402.3	015.2	330.5	000.0210	0369.1	050.5	38.04	
097.0	000.0280	0410.6	015.2	330.3	000.0210	0367.6	050.3	38.07	
098.0	000.0267	0419.3	015.1	330.1	000.0210	0365.7	050.1	38.08	
099.0	000.0255	0435.9	015.2	330.0	000.0210	0365.2	049.9	38.17	
100.0	000.0244	0446.2	015.2	329.8	000.0210	0364.8	049.7	38.24	
101.0	000.0232	0461.7	015.3	329.6	000.0210	0364.9	049.4	38.33	
102.0	000.0222	0484.3	015.4	329.5	000.0210	0365.6	049.1	38.47	
103.0	000.0213	0511.2	015.7	329.5	000.0210	0365.7	048.8	38.61	
104.0	000.0203	0529.4	015.8	329.4	000.0210	0367.9	048.5	38.77	
105.0	000.0194	0537.7	015.7	329.1	000.0210	0372.6	048.3	38.96	
106.0	000.0184	0535.1	015.4	328.6	000.0210	0378.8	048.4	39.13	
107.0	000.0177	0538.7	015.3	328.3	000.0210	0384.5	048.3	39.32	
108.0	000.0169	0546.9	015.2	328.0	000.0210	0388.4	048.2	39.47	
109.0	000.0161	0549.9	015.1	327.6	000.0210	0389.6	048.1	39.51	
110.0	000.0154	0554.3	014.9	327.3	000.0210	0387.1	048.1	39.47	
111.0	000.0147	0567.0	014.9	327.0	000.0210	0382.9	047.9	39.41	
112.0	000.0140	0580.2	014.9	326.8	000.0210	0377.4	047.8	39.32	
113.0	000.0134	0593.2	014.9	326.5	000.0210	0371.7	047.6	39.21	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
114.0	000.0128	0600.7	014.8	326.2	000.0210	0367.0	047.6	39.09
115.0	000.0122	0606.9	014.7	325.8	000.0210	0364.7	047.6	39.04
116.0	000.0117	0613.4	014.6	325.5	000.0210	0363.3	047.5	39.00
117.0	000.0112	0614.5	014.4	325.1	000.0210	0361.3	047.6	38.92
118.0	000.0107	0614.6	014.2	324.7	000.0210	0358.5	047.7	38.82
119.0	000.0102	0615.4	014.0	324.4	000.0210	0357.4	047.7	38.75
120.0	000.0097	0614.2	013.7	324.0	000.0210	0358.8	047.8	38.75
121.0	000.0093	0605.7	013.4	323.6	000.0210	0360.0	048.0	38.72
122.0	000.0089	0596.8	013.2	323.2	000.0210	0359.5	048.2	38.64
123.0	000.0084	0591.3	012.9	322.8	000.0210	0361.7	048.4	38.63
124.0	000.0080	0585.4	012.6	322.5	000.0210	0362.6	048.5	38.60
125.0	000.0077	0582.9	012.4	322.2	000.0210	0363.3	048.7	38.57
126.0	000.0074	0585.8	012.3	321.9	000.0210	0363.6	048.7	38.55
127.0	000.0070	0587.9	012.1	321.6	000.0210	0363.3	048.8	38.50
128.0	000.0069	0593.1	012.1	321.3	000.0210	0362.4	048.8	38.49
129.0	000.0069	0598.2	012.1	321.1	000.0210	0361.8	048.7	38.49
130.0	000.0067	0603.4	012.1	320.9	000.0210	0361.2	048.7	38.49
131.0	000.0070	0605.9	012.3	320.7	000.0210	0360.2	048.5	38.54
132.0	000.0074	0602.4	012.5	320.4	000.0210	0359.1	048.3	38.58
133.0	000.0077	0596.3	012.6	320.2	000.0210	0356.4	048.2	38.55
134.0	000.0080	0587.1	012.6	319.9	000.0210	0353.7	048.1	38.50
135.0	000.0084	0576.0	012.7	319.7	000.0210	0351.4	048.0	38.46
136.0	000.0087	0560.9	012.7	319.4	000.0210	0349.4	048.0	38.40
137.0	000.0090	0543.2	012.6	319.2	000.0210	0347.6	048.1	38.33
138.0	000.0093	0531.9	012.6	318.9	000.0210	0345.9	048.1	38.28
139.0	000.0097	0519.1	012.6	318.6	000.0210	0345.2	048.0	38.27
140.0	000.0101	0493.0	012.5	318.4	000.0210	0344.2	048.1	38.21
141.0	000.0105	0468.1	012.5	318.1	000.0210	0342.5	048.2	38.12
142.0	000.0109	0447.2	012.4	317.9	000.0210	0340.9	048.3	38.04
143.0	000.0115	0425.2	012.3	317.6	000.0210	0339.9	048.4	37.96
144.0	000.0119	0399.7	012.1	317.4	000.0210	0339.5	048.6	37.86
145.0	000.0124	0369.9	011.8	317.2	000.0210	0340.5	048.9	37.78
146.0	000.0128	0344.0	011.5	317.0	000.0210	0341.7	049.3	37.69
147.0	000.0133	0329.2	011.4	316.8	000.0210	0343.4	049.4	37.67
148.0	000.0139	0328.1	011.5	316.6	000.0210	0345.7	049.4	37.77
149.0	000.0144	0330.5	011.6	316.3	000.0210	0348.4	049.3	37.89
150.0	000.0149	0321.1	011.6	316.1	000.0210	0351.3	049.4	37.93
151.0	000.0144	0317.3	011.4	315.9	000.0210	0354.8	049.6	37.96
152.0	000.0140	0321.8	011.4	315.7	000.0210	0359.2	049.6	38.08
153.0	000.0136	0334.1	011.5	315.4	000.0210	0364.5	049.6	38.26
154.0	000.0132	0336.3	011.5	315.2	000.0210	0369.0	049.7	38.34
155.0	000.0128	0331.9	011.3	315.1	000.0210	0372.8	049.9	38.37
156.0	000.0124	0337.1	011.3	314.9	000.0210	0378.6	050.0	38.50
157.0	000.0120	0359.6	011.6	314.5	000.0210	0386.8	049.8	38.80
158.0	000.0116	0380.5	011.8	314.2	000.0210	0393.7	049.7	39.02
159.0	000.0112	0398.4	011.9	314.0	000.0210	0398.8	049.7	39.16
160.0	000.0109	0416.0	012.0	313.7	000.0210	0403.7	049.7	39.29
161.0	000.0107	0442.6	012.3	313.3	000.0210	0410.4	049.6	39.51
162.0	000.0104	0464.7	012.4	313.0	000.0210	0416.6	049.5	39.67
163.0	000.0102	0481.7	012.5	312.8	000.0210	0423.1	049.6	39.81
164.0	000.0100	0490.1	012.5	312.6	000.0210	0428.2	049.7	39.90

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
165.0	000.0097	0489.7	012.4	312.4	000.0210	0432.1	049.9	39.92
166.0	000.0095	0483.5	012.3	312.3	000.0210	0434.5	050.1	39.89
167.0	000.0093	0472.2	012.1	312.2	000.0210	0436.6	050.4	39.84
168.0	000.0091	0455.7	011.9	312.1	000.0210	0437.5	050.7	39.75
169.0	000.0088	0447.5	011.7	312.1	000.0210	0438.5	050.9	39.68
170.0	000.0086	0456.3	011.7	311.9	000.0210	0441.8	051.0	39.71
171.0	000.0089	0465.4	011.9	311.5	000.0210	0446.8	051.0	39.84
172.0	000.0092	0466.6	012.0	311.3	000.0210	0450.5	051.1	39.91
173.0	000.0095	0457.9	012.1	311.1	000.0210	0453.3	051.2	39.94
174.0	000.0098	0440.6	012.0	311.0	000.0210	0454.9	051.4	39.90
175.0	000.0101	0433.9	012.0	310.8	000.0210	0457.4	051.5	39.91
176.0	000.0104	0428.5	012.0	310.6	000.0210	0460.5	051.6	39.94
177.0	000.0107	0413.6	011.9	310.5	000.0210	0461.7	051.9	39.88
178.0	000.0111	0396.6	011.8	310.5	000.0210	0462.4	052.1	39.81
179.0	000.0114	0378.2	011.7	310.4	000.0210	0462.7	052.3	39.73
180.0	000.0118	0351.9	011.4	310.5	000.0210	0461.7	052.7	39.58
181.0	000.0123	0323.6	011.1	310.7	000.0210	0459.4	053.0	39.38
182.0	000.0129	0291.2	010.7	310.9	000.0210	0456.2	053.4	39.15
183.0	000.0135	0270.1	010.4	311.0	000.0210	0454.8	053.8	39.00
184.0	000.0141	0264.6	010.4	310.9	000.0210	0456.3	053.9	38.98
185.0	000.0148	0253.3	010.3	310.8	000.0210	0456.6	054.1	38.91
186.0	000.0156	0245.8	010.2	310.8	000.0210	0458.0	054.3	38.88
187.0	000.0163	0228.5	010.0	310.9	000.0210	0456.2	054.6	38.73
188.0	000.0170	0209.8	009.7	311.1	000.0210	0453.8	054.9	38.55
189.0	000.0178	0206.9	009.7	310.9	000.0210	0455.7	055.0	38.55
190.0	000.0186	0212.3	010.0	310.6	000.0210	0460.3	055.0	38.66
191.0	000.0195	0199.4	009.8	310.7	000.0210	0458.9	055.3	38.53
192.0	000.0205	0183.7	009.5	310.9	000.0210	0456.4	055.5	38.37
193.0	000.0214	0183.1	009.6	310.7	000.0210	0458.9	055.7	38.39
194.0	000.0224	0178.9	009.6	310.6	000.0210	0460.2	055.8	38.37
195.0	000.0234	0177.4	009.7	310.5	000.0210	0462.2	055.9	38.37
196.0	000.0246	0171.4	009.6	310.5	000.0210	0462.4	056.1	38.31
197.0	000.0257	0165.0	009.5	310.5	000.0210	0462.2	056.3	38.23

12-17-2021

Terrain Data: FCC 30 meter

FMOver Analysis

768782 0000167329

NEW!

Channel = 219A

Max ERP = 0.021 kW

RCAMSL = 3445 m

N. Lat. 39 03 01.00

W. Lng. 105 30 51.00

Protected

60 dBu

Channel = 219A

Max ERP = 0.12 kW

RCAMSL = 3824 m

N. Lat. 39 27 34.90

W. Lng. 105 58 48.00

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
259.0	000.0210	0748.8	019.3	156.6	000.0121	0350.2	053.6	33.91	
260.0	000.0210	0745.3	019.3	156.5	000.0122	0347.3	053.3	33.96	
261.0	000.0210	0744.9	019.3	156.4	000.0122	0345.3	053.0	34.03	
262.0	000.0210	0744.3	019.3	156.3	000.0122	0343.2	052.6	34.10	
263.0	000.0210	0742.2	019.3	156.2	000.0123	0340.6	052.3	34.16	
264.0	000.0210	0741.6	019.3	156.1	000.0123	0338.4	052.0	34.22	
265.0	000.0210	0741.1	019.2	156.0	000.0124	0336.4	051.7	34.30	
266.0	000.0210	0741.1	019.2	155.8	000.0124	0335.1	051.4	34.40	
267.0	000.0210	0740.7	019.2	155.7	000.0125	0334.2	051.0	34.51	
268.0	000.0210	0739.7	019.2	155.5	000.0125	0333.5	050.7	34.63	
269.0	000.0210	0737.5	019.2	155.4	000.0126	0333.1	050.4	34.75	
270.0	000.0210	0735.1	019.2	155.2	000.0127	0332.1	050.1	34.86	
271.0	000.0210	0732.4	019.1	155.0	000.0128	0332.0	049.9	34.99	
272.0	000.0210	0729.7	019.1	154.8	000.0129	0332.8	049.6	35.16	
273.0	000.0210	0726.5	019.1	154.6	000.0130	0334.0	049.3	35.34	
274.0	000.0210	0722.6	019.0	154.3	000.0131	0335.2	049.0	35.52	
275.0	000.0210	0717.8	019.0	154.1	000.0132	0336.1	048.8	35.69	
276.0	000.0210	0711.9	018.9	153.8	000.0133	0336.7	048.5	35.84	
277.0	000.0210	0709.2	018.9	153.6	000.0134	0337.1	048.3	35.98	
278.0	000.0210	0705.9	018.8	153.3	000.0135	0336.4	048.0	36.09	
279.0	000.0210	0703.3	018.8	153.0	000.0136	0334.5	047.8	36.17	
280.0	000.0210	0703.5	018.8	152.8	000.0137	0331.6	047.5	36.21	
281.0	000.0210	0702.5	018.8	152.6	000.0138	0328.4	047.2	36.24	
282.0	000.0210	0700.6	018.8	152.3	000.0139	0324.8	047.0	36.26	
283.0	000.0210	0698.0	018.7	152.0	000.0140	0321.8	046.8	36.30	
284.0	000.0210	0696.3	018.7	151.7	000.0142	0319.3	046.5	36.35	
285.0	000.0210	0692.3	018.6	151.4	000.0143	0318.0	046.3	36.43	
286.0	000.0210	0686.3	018.6	151.0	000.0144	0317.3	046.2	36.53	
287.0	000.0210	0678.7	018.5	150.7	000.0146	0317.2	046.0	36.63	
288.0	000.0210	0672.9	018.4	150.3	000.0147	0318.6	045.8	36.79	
289.0	000.0210	0668.5	018.3	150.0	000.0148	0321.6	045.7	36.98	
290.0	000.0210	0665.9	018.3	149.6	000.0147	0325.1	045.5	37.11	
291.0	000.0210	0659.4	018.2	149.2	000.0145	0329.0	045.4	37.22	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
292.0	000.0210	0648.9	018.0	148.8	000.0143	0331.4	045.3	37.26
293.0	000.0210	0641.2	017.9	148.4	000.0141	0330.3	045.2	37.20
294.0	000.0210	0632.4	017.8	148.0	000.0139	0328.0	045.1	37.10
295.0	000.0210	0623.9	017.6	147.5	000.0136	0327.5	045.1	37.03
296.0	000.0210	0613.0	017.5	147.1	000.0134	0328.3	045.1	36.98
297.0	000.0210	0597.7	017.2	146.6	000.0131	0333.0	045.1	37.01
298.0	000.0210	0579.9	016.9	146.1	000.0129	0342.6	045.3	37.16
299.0	000.0210	0570.9	016.7	145.6	000.0127	0351.8	045.3	37.36
300.0	000.0210	0562.1	016.5	145.2	000.0125	0363.4	045.3	37.62
301.0	000.0210	0558.9	016.5	144.9	000.0123	0374.2	045.2	37.90
302.0	000.0210	0557.0	016.5	144.5	000.0121	0384.9	045.2	38.16
303.0	000.0210	0548.2	016.3	144.1	000.0119	0397.3	045.2	38.40
304.0	000.0210	0532.1	016.0	143.6	000.0117	0409.8	045.4	38.57
305.0	000.0210	0523.7	015.8	143.2	000.0116	0419.9	045.4	38.74
306.0	000.0210	0515.8	015.7	142.8	000.0114	0428.9	045.5	38.87
307.0	000.0210	0500.6	015.4	142.4	000.0112	0438.7	045.6	38.95
308.0	000.0210	0490.4	015.3	142.1	000.0110	0446.0	045.7	39.02
309.0	000.0210	0476.2	015.1	141.7	000.0108	0454.4	045.9	39.10
310.0	000.0210	0466.9	015.0	141.3	000.0106	0461.6	045.9	39.17
311.0	000.0210	0454.5	014.8	141.0	000.0105	0469.1	046.1	39.23
312.0	000.0210	0439.4	014.6	140.6	000.0103	0477.5	046.2	39.29
313.0	000.0210	0417.2	014.2	140.2	000.0102	0486.8	046.6	39.31
314.0	000.0210	0398.0	013.9	139.9	000.0101	0496.1	046.8	39.35
315.0	000.0210	0374.8	013.6	139.6	000.0099	0505.2	047.2	39.38
316.0	000.0210	0352.9	013.2	139.2	000.0098	0513.5	047.5	39.38
317.0	000.0210	0341.8	013.0	139.0	000.0097	0520.1	047.7	39.41
318.0	000.0210	0341.9	013.0	138.7	000.0096	0525.2	047.7	39.47
319.0	000.0210	0346.5	013.1	138.4	000.0095	0528.4	047.6	39.51
320.0	000.0210	0354.3	013.2	138.1	000.0094	0530.9	047.5	39.56
321.0	000.0210	0361.6	013.3	137.8	000.0093	0533.2	047.3	39.61
322.0	000.0210	0363.4	013.4	137.6	000.0092	0535.9	047.3	39.62
323.0	000.0210	0360.4	013.3	137.3	000.0091	0539.3	047.4	39.62
324.0	000.0210	0358.6	013.3	137.0	000.0090	0543.1	047.5	39.63
325.0	000.0210	0360.1	013.3	136.7	000.0089	0547.4	047.5	39.67
326.0	000.0210	0365.5	013.4	136.4	000.0088	0552.8	047.4	39.75
327.0	000.0210	0382.2	013.7	136.1	000.0087	0559.2	047.2	39.89
328.0	000.0210	0388.3	013.8	135.8	000.0086	0564.3	047.1	39.95
329.0	000.0210	0374.0	013.5	135.6	000.0085	0567.7	047.4	39.88
330.0	000.0210	0365.3	013.4	135.3	000.0085	0571.0	047.6	39.82
331.0	000.0210	0371.9	013.5	135.0	000.0084	0575.7	047.6	39.87
332.0	000.0210	0374.0	013.5	134.7	000.0083	0579.5	047.6	39.87
333.0	000.0210	0382.7	013.7	134.4	000.0081	0582.9	047.5	39.88
334.0	000.0210	0397.1	013.9	134.1	000.0080	0586.4	047.4	39.91
335.0	000.0210	0413.5	014.1	133.7	000.0079	0591.0	047.2	39.97
336.0	000.0210	0424.2	014.3	133.3	000.0078	0593.8	047.2	39.98
337.0	000.0210	0415.3	014.2	133.1	000.0077	0595.5	047.4	39.88
338.0	000.0210	0402.6	014.0	132.9	000.0077	0596.9	047.7	39.77
339.0	000.0210	0398.7	013.9	132.7	000.0076	0598.5	047.9	39.70
340.0	000.0210	0423.2	014.3	132.2	000.0074	0601.2	047.6	39.74
341.0	000.0210	0442.8	014.6	131.8	000.0073	0603.5	047.5	39.74
342.0	000.0210	0445.7	014.6	131.5	000.0072	0604.9	047.6	39.67

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
343.0	000.0210	0448.3	014.7	131.2	000.0071	0605.6	047.7	39.58
344.0	000.0210	0465.7	014.9	130.8	000.0070	0605.8	047.6	39.53
345.0	000.0210	0482.7	015.2	130.4	000.0068	0604.8	047.5	39.46
346.0	000.0210	0493.9	015.3	130.0	000.0067	0603.3	047.5	39.37
347.0	000.0210	0517.6	015.7	129.4	000.0068	0600.7	047.4	39.42
348.0	000.0210	0532.9	016.0	129.0	000.0069	0598.0	047.4	39.43
349.0	000.0210	0554.4	016.4	128.4	000.0069	0594.8	047.2	39.45
350.0	000.0210	0571.8	016.7	127.9	000.0069	0592.8	047.2	39.47
351.0	000.0210	0589.3	017.1	127.3	000.0070	0590.1	047.1	39.48
352.0	000.0210	0603.4	017.3	126.9	000.0071	0587.0	047.2	39.47
353.0	000.0210	0610.0	017.4	126.5	000.0072	0585.3	047.3	39.47
354.0	000.0210	0615.9	017.5	126.2	000.0073	0585.4	047.4	39.48
355.0	000.0210	0624.4	017.7	125.8	000.0074	0585.8	047.6	39.51
356.0	000.0210	0629.4	017.7	125.5	000.0075	0584.5	047.8	39.48
357.0	000.0210	0629.2	017.7	125.3	000.0076	0583.5	048.0	39.42
358.0	000.0210	0633.3	017.8	125.0	000.0077	0582.9	048.2	39.38
359.0	000.0210	0639.8	017.9	124.7	000.0078	0583.3	048.4	39.39
000.0	000.0210	0651.5	018.1	124.3	000.0079	0584.8	048.6	39.43
001.0	000.0210	0661.9	018.2	123.9	000.0081	0585.2	048.7	39.45
002.0	000.0210	0662.6	018.2	123.7	000.0082	0585.4	049.0	39.40
003.0	000.0210	0668.6	018.3	123.4	000.0083	0587.2	049.2	39.40
004.0	000.0210	0674.9	018.4	123.2	000.0084	0589.8	049.5	39.41
005.0	000.0210	0683.9	018.5	122.8	000.0085	0592.7	049.7	39.44
006.0	000.0210	0683.7	018.5	122.7	000.0086	0593.6	050.0	39.39
007.0	000.0210	0675.7	018.4	122.6	000.0086	0593.8	050.3	39.28
008.0	000.0210	0676.6	018.4	122.5	000.0087	0594.5	050.6	39.23
009.0	000.0210	0679.3	018.5	122.3	000.0088	0595.3	050.9	39.18
010.0	000.0210	0691.2	018.6	122.0	000.0089	0597.1	051.1	39.19
011.0	000.0210	0701.9	018.8	121.7	000.0090	0599.5	051.4	39.19
012.0	000.0210	0713.3	018.9	121.4	000.0091	0601.7	051.6	39.18
013.0	000.0210	0718.7	019.0	121.2	000.0092	0603.5	051.9	39.13
014.0	000.0210	0729.8	019.1	121.0	000.0093	0606.2	052.2	39.12
015.0	000.0210	0735.9	019.2	120.8	000.0094	0608.1	052.5	39.07
016.0	000.0210	0735.7	019.2	120.7	000.0094	0609.2	052.8	38.98
017.0	000.0210	0736.2	019.2	120.6	000.0094	0610.2	053.1	38.90
018.0	000.0210	0732.0	019.1	120.6	000.0095	0610.5	053.5	38.78



Proposed Channel Study - Breckenridge vs KTSG  
Rocky Mountain Public Broadcasting Network

FMCommander Single Allocation Study - 12-17-2021 - FCC 30 meter  
NEW!'s Overlaps (In= 15.1 km, Out= 0.24 km)

NEW! CH 219 A 73.215 Z

Lat= 39 27 34.90, Lng= 105 58 48.00

0.12 kW 510.1 m HAAT, 3824 m COR

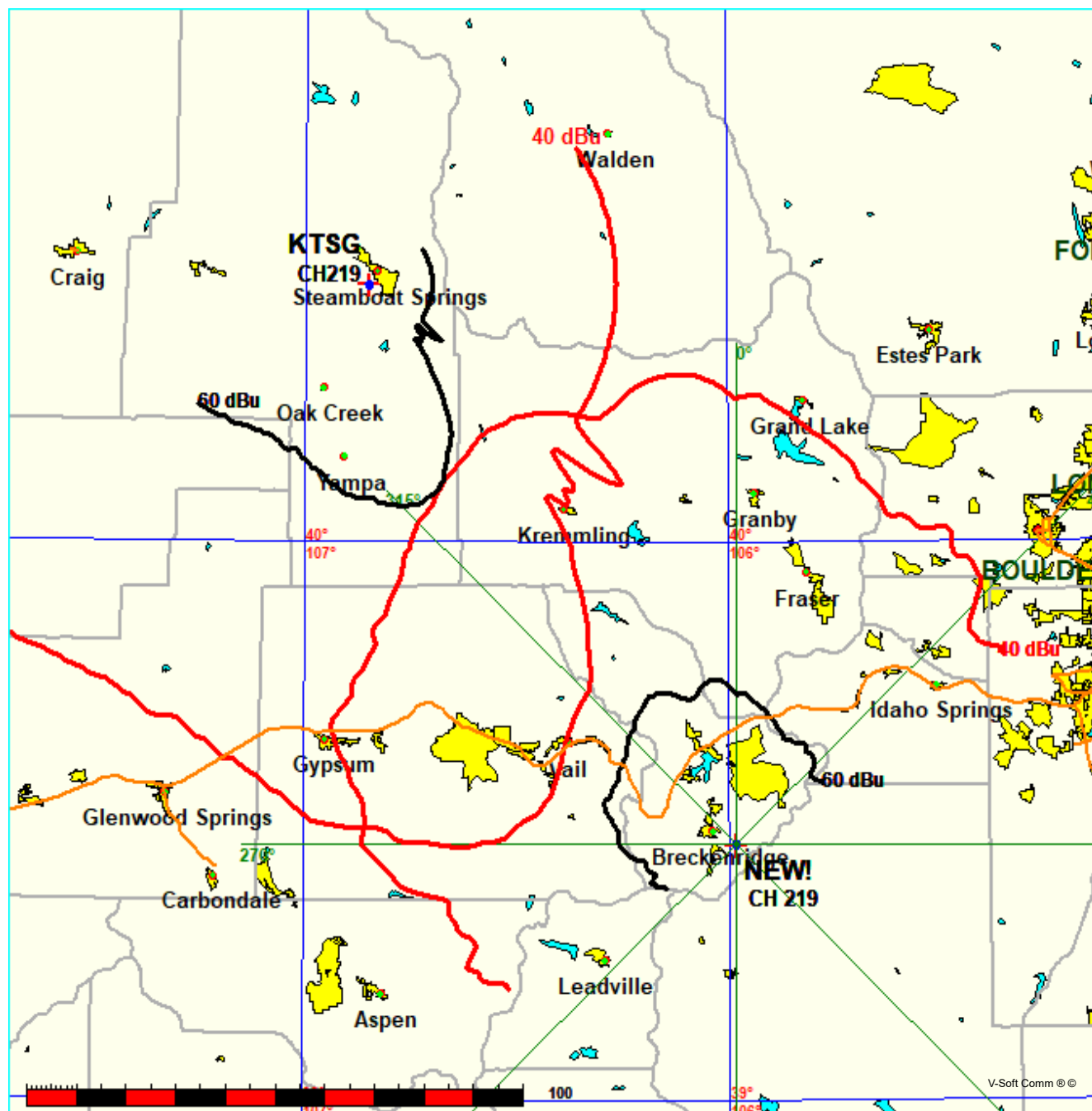
Prot.= 60 dBu, Intef.= 40 dBu

KTSG CH 219 C3 BLED20080305AFF

Lat= 40 27 42.90, Lng= 106 51 00.20

2.5 kW 186 m HAAT, 2530 m COR

Prot.= 60 dBu, Intef.= 40 dBu



12-17-2021

Terrain Data: FCC 30 meter

FMOver Analysis

NEW!

KTSG BLED20080305AFF

Channel = 219A  
 Max ERP = 0.12 kW  
 RCAMSL = 3824 m  
 N. Lat. 39 27 34.90  
 W. Lng. 105 58 48.00  
 Protected  
 60 dBu

Channel = 219C3  
 Max ERP = 2.5 kW  
 RCAMSL = 2530 m  
 N. Lat. 40 27 42.90  
 W. Lng. 106 51 00.20  
 Interfering  
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
267.0	000.1200	0446.0	022.8	155.2	002.5000	0290.0	123.9	33.05	
268.0	000.1200	0458.1	023.1	155.3	002.5000	0291.4	123.4	33.19	
269.0	000.1200	0475.3	023.6	155.4	002.5000	0293.4	122.9	33.36	
270.0	000.1200	0494.9	024.1	155.6	002.5000	0295.7	122.2	33.54	
271.0	000.1200	0494.7	024.1	155.5	002.5000	0294.6	121.9	33.60	
272.0	000.1200	0490.3	024.0	155.3	002.5000	0292.7	121.5	33.62	
273.0	000.1200	0489.0	024.0	155.2	002.5000	0290.8	121.2	33.65	
274.0	000.1200	0487.6	023.9	155.1	002.5000	0288.3	120.8	33.66	
275.0	000.1200	0496.9	024.2	155.2	002.5000	0288.7	120.3	33.79	
276.0	000.1200	0496.6	024.2	155.0	002.5000	0286.3	120.0	33.80	
277.0	000.1200	0504.0	024.4	155.0	002.5000	0286.0	119.5	33.90	
278.0	000.1200	0517.9	024.8	155.1	002.5000	0287.3	118.9	34.06	
279.0	000.1200	0536.5	025.3	155.2	002.5000	0289.7	118.3	34.27	
280.0	000.1200	0550.0	025.7	155.2	002.5000	0290.3	117.7	34.41	
281.0	000.1200	0557.8	025.9	155.2	002.5000	0289.2	117.2	34.49	
282.0	000.1200	0577.6	026.4	155.2	002.5000	0290.7	116.5	34.68	
283.0	000.1200	0597.6	026.9	155.3	002.5000	0291.7	115.9	34.85	
284.0	000.1200	0615.4	027.3	155.3	002.5000	0291.9	115.3	35.00	
285.0	000.1200	0632.9	027.6	155.3	002.5000	0291.9	114.7	35.15	
286.0	000.1200	0651.9	028.1	155.3	002.5000	0291.9	114.0	35.30	
287.0	000.1200	0651.8	028.0	155.1	002.5000	0288.4	113.7	35.30	
288.0	000.1200	0644.2	027.9	154.9	002.5000	0283.2	113.4	35.23	
289.0	000.1200	0632.6	027.6	154.7	002.5000	0278.9	113.2	35.16	
290.0	000.1200	0622.1	027.4	154.4	002.5000	0277.3	113.0	35.16	
291.0	000.1200	0615.6	027.3	154.2	002.5000	0274.1	112.8	35.14	
292.0	000.1200	0623.1	027.4	154.1	002.5000	0271.2	112.4	35.17	
293.0	000.1200	0629.3	027.6	153.9	002.5000	0267.8	111.9	35.18	
294.0	000.1200	0619.3	027.3	153.7	002.5000	0263.6	111.8	35.11	
295.0	000.1200	0610.3	027.1	153.4	002.5000	0261.0	111.6	35.08	
296.0	000.1200	0612.6	027.2	153.2	002.5000	0259.2	111.3	35.11	
297.0	000.1200	0611.6	027.2	153.0	002.5000	0258.2	111.0	35.15	
298.0	000.1200	0608.4	027.1	152.8	002.5000	0256.1	110.8	35.15	
299.0	000.1200	0613.2	027.2	152.6	002.5000	0253.7	110.5	35.18	
300.0	000.1200	0641.1	027.8	152.6	002.5000	0253.3	109.7	35.37	
301.0	000.1200	0653.9	028.1	152.5	002.5000	0251.7	109.2	35.45	
302.0	000.1200	0639.3	027.8	152.2	002.5000	0248.9	109.2	35.37	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
303.0	000.1200	0637.0	027.7	151.9	002.5000	0247.1	109.0	35.37
304.0	000.1200	0648.1	028.0	151.8	002.5000	0245.7	108.6	35.45
305.0	000.1200	0654.0	028.1	151.6	002.5000	0243.8	108.2	35.49
306.0	000.1200	0659.8	028.2	151.4	002.5000	0242.0	107.9	35.52
307.0	000.1200	0664.4	028.3	151.2	002.5000	0239.3	107.6	35.53
308.0	000.1200	0668.7	028.4	150.9	002.5000	0234.0	107.3	35.45
309.0	000.1200	0680.9	028.7	150.7	002.5000	0229.4	106.9	35.44
310.0	000.1200	0701.7	029.1	150.6	002.5000	0226.2	106.3	35.50
311.0	000.1200	0718.8	029.5	150.4	002.5000	0222.3	105.7	35.53
312.0	000.1200	0727.6	029.7	150.2	002.5000	0217.4	105.4	35.48
313.0	000.1200	0741.8	030.0	149.9	002.5000	0212.9	104.9	35.46
314.0	000.1200	0757.2	030.4	149.7	002.5000	0208.5	104.4	35.46
315.0	000.1200	0772.8	030.7	149.5	002.5000	0202.9	103.9	35.41
316.0	000.1200	0778.0	030.8	149.2	002.5000	0195.0	103.7	35.23
317.0	000.1200	0780.2	030.9	148.9	002.5000	0187.8	103.5	35.04
318.0	000.1200	0788.7	031.1	148.7	002.5000	0181.5	103.2	34.92
319.0	000.1200	0807.5	031.5	148.4	002.5000	0176.4	102.7	34.89
320.0	000.1200	0825.1	031.9	148.1	002.5000	0170.4	102.2	34.81
321.0	000.1200	0841.0	032.3	147.9	002.5000	0164.6	101.8	34.73
322.0	000.1200	0848.4	032.5	147.6	002.5000	0159.2	101.5	34.60
323.0	000.1200	0856.6	032.6	147.3	002.5000	0152.3	101.3	34.41
324.0	000.1200	0864.4	032.8	146.9	002.5000	0146.2	101.1	34.25
325.0	000.1200	0876.5	033.1	146.6	002.5000	0138.8	100.8	34.06
326.0	000.1200	0895.6	033.5	146.3	002.5000	0132.1	100.3	33.91
327.0	000.1200	0912.2	033.8	146.0	002.5000	0125.8	100.0	33.76
328.0	000.1200	0922.6	034.0	145.6	002.5000	0119.7	099.8	33.58
329.0	000.1200	0923.5	034.1	145.3	002.5000	0113.5	099.8	33.34
330.0	000.1200	0919.3	034.0	144.9	002.5000	0107.1	099.9	33.06
331.0	000.1200	0918.2	034.0	144.6	002.5000	0100.1	100.0	32.78
332.0	000.1200	0917.0	033.9	144.3	002.5000	0094.3	100.1	32.54
333.0	000.1200	0905.4	033.7	143.9	002.5000	0087.3	100.4	32.20
334.0	000.1200	0888.2	033.3	143.7	002.5000	0080.9	100.9	31.86
335.0	000.1200	0876.3	033.1	143.4	002.5000	0077.5	101.2	31.65
336.0	000.1200	0858.9	032.7	143.1	002.5000	0076.3	101.7	31.50
337.0	000.1200	0840.8	032.3	142.8	002.5000	0075.8	102.3	31.38
338.0	000.1200	0818.4	031.8	142.6	002.5000	0075.3	102.9	31.23
339.0	000.1200	0792.1	031.1	142.4	002.5000	0074.4	103.6	31.04
340.0	000.1200	0771.9	030.7	142.2	002.5000	0071.6	104.2	30.82
341.0	000.1200	0754.0	030.3	142.0	002.5000	0067.9	104.8	30.58
342.0	000.1200	0741.7	030.0	141.7	002.5000	0064.1	105.2	30.36
343.0	000.1200	0749.0	030.2	141.4	002.5000	0059.0	105.2	30.17
344.0	000.1200	0762.5	030.5	141.1	002.5000	0053.6	105.1	29.97
345.0	000.1200	0780.6	030.9	140.8	002.5000	0048.3	105.0	29.79
346.0	000.1200	0803.1	031.4	140.4	002.5000	0043.2	104.7	29.62
347.0	000.1200	0826.2	031.9	140.0	002.5000	0038.7	104.5	29.47
348.0	000.1200	0839.6	032.3	139.6	002.5000	0038.0	104.5	29.44
349.0	000.1200	0852.9	032.6	139.3	002.5000	0038.5	104.5	29.46
350.0	000.1200	0863.2	032.8	138.9	002.5000	0039.7	104.5	29.50
351.0	000.1200	0867.0	032.9	138.6	002.5000	0042.1	104.8	29.56
352.0	000.1200	0864.2	032.8	138.4	002.5000	0044.2	105.1	29.59
353.0	000.1200	0859.7	032.7	138.2	002.5000	0046.0	105.5	29.59

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
354.0	000.1200	0856.1	032.6	137.9	002.5000	0047.3	105.9	29.57
355.0	000.1200	0845.8	032.4	137.8	002.5000	0047.8	106.5	29.49
356.0	000.1200	0829.7	032.0	137.6	002.5000	0048.0	107.1	29.38
357.0	000.1200	0810.6	031.6	137.6	002.5000	0047.8	107.8	29.25
358.0	000.1200	0781.2	030.9	137.6	002.5000	0047.9	108.7	29.09
359.0	000.1200	0750.8	030.2	137.6	002.5000	0047.9	109.5	28.93
000.0	000.1200	0729.3	029.7	137.5	002.5000	0047.8	110.2	28.79
001.0	000.1200	0730.8	029.8	137.3	002.5000	0047.0	110.6	28.70
002.0	000.1200	0739.5	030.0	137.1	002.5000	0045.7	110.8	28.60
003.0	000.1200	0741.7	030.0	136.9	002.5000	0044.7	111.1	28.49
004.0	000.1200	0723.7	029.6	136.8	002.5000	0044.5	111.8	28.36
005.0	000.1200	0703.5	029.2	136.8	002.5000	0044.4	112.4	28.23
006.0	000.1200	0690.7	028.9	136.7	002.5000	0043.9	113.0	28.10
007.0	000.1200	0677.5	028.6	136.7	002.5000	0043.5	113.6	27.97
008.0	000.1200	0655.2	028.1	136.7	002.5000	0043.6	114.3	27.85
009.0	000.1200	0639.5	027.8	136.7	002.5000	0043.5	114.8	27.73
010.0	000.1200	0626.7	027.5	136.7	002.5000	0043.3	115.4	27.62
011.0	000.1200	0615.7	027.3	136.6	002.5000	0043.0	115.9	27.51
012.0	000.1200	0605.4	027.0	136.6	002.5000	0042.7	116.4	27.39
013.0	000.1200	0593.4	026.8	136.5	002.5000	0042.5	117.0	27.28
014.0	000.1200	0581.3	026.5	136.5	002.5000	0042.5	117.5	27.18
015.0	000.1200	0569.8	026.2	136.5	002.5000	0042.4	118.1	27.08
016.0	000.1200	0562.7	026.0	136.5	002.5000	0042.1	118.5	26.97
017.0	000.1200	0548.3	025.7	136.5	002.5000	0042.4	119.1	26.88
018.0	000.1200	0525.7	025.0	136.7	002.5000	0043.4	119.8	26.80
019.0	000.1200	0507.6	024.5	136.8	002.5000	0044.3	120.4	26.73
020.0	000.1200	0500.9	024.3	136.8	002.5000	0044.2	120.9	26.64
021.0	000.1200	0495.4	024.2	136.8	002.5000	0044.0	121.4	26.55
022.0	000.1200	0484.9	023.8	136.8	002.5000	0044.4	121.9	26.47
023.0	000.1200	0476.5	023.6	136.8	002.5000	0044.6	122.4	26.39
024.0	000.1200	0460.0	023.1	137.0	002.5000	0045.3	122.9	26.33
025.0	000.1200	0448.0	022.8	137.0	002.5000	0045.6	123.4	26.25
026.0	000.1200	0452.6	022.9	136.9	002.5000	0044.9	123.7	26.16

12-17-2021

Terrain Data: FCC 30 meter

FMOver Analysis

KTSG BLED20080305AFF

NEW!

Channel = 219C3

Max ERP = 2.5 kW

RCAMSL = 2530 m

N. Lat. 40 27 42.90

W. Lng. 106 51 00.20

Protected

60 dBu

Channel = 219A

Max ERP = 0.12 kW

RCAMSL = 3824 m

N. Lat. 39 27 34.90

W. Lng. 105 58 48.00

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
086.0	002.5000	-0242.9	012.7	331.6	000.1200	0918.4	128.0	30.83	
087.0	002.5000	-0246.3	012.7	331.5	000.1200	0918.5	127.8	30.88	
088.0	002.5000	-0250.1	012.7	331.5	000.1200	0918.6	127.6	30.94	
089.0	002.5000	-0261.5	012.7	331.4	000.1200	0918.7	127.4	30.99	
090.0	002.5000	-0265.1	012.7	331.4	000.1200	0918.8	127.2	31.05	
091.0	002.5000	-0271.5	012.7	331.3	000.1200	0918.8	127.0	31.10	
092.0	002.5000	-0277.8	012.7	331.3	000.1200	0918.8	126.8	31.15	
093.0	002.5000	-0285.9	012.7	331.2	000.1200	0918.8	126.6	31.20	
094.0	002.5000	-0305.1	012.7	331.2	000.1200	0918.6	126.5	31.25	
095.0	002.5000	-0320.9	012.7	331.1	000.1200	0918.5	126.3	31.30	
096.0	002.5000	-0327.4	012.7	331.1	000.1200	0918.4	126.1	31.35	
097.0	002.5000	-0327.2	012.7	331.0	000.1200	0918.2	125.9	31.40	
098.0	002.5000	-0317.0	012.7	330.9	000.1200	0917.9	125.7	31.44	
099.0	002.5000	-0304.7	012.7	330.9	000.1200	0917.7	125.6	31.49	
100.0	002.5000	-0292.2	012.7	330.8	000.1200	0917.5	125.4	31.53	
101.0	002.5000	-0277.4	012.7	330.7	000.1200	0917.4	125.2	31.58	
102.0	002.5000	-0262.8	012.7	330.7	000.1200	0917.2	125.1	31.62	
103.0	002.5000	-0241.0	012.7	330.6	000.1200	0917.1	124.9	31.67	
104.0	002.5000	-0222.4	012.7	330.5	000.1200	0917.2	124.7	31.71	
105.0	002.5000	-0208.9	012.7	330.5	000.1200	0917.3	124.6	31.76	
106.0	002.5000	-0193.9	012.7	330.4	000.1200	0917.5	124.4	31.80	
107.0	002.5000	-0180.0	012.7	330.3	000.1200	0917.9	124.3	31.85	
108.0	002.5000	-0164.3	012.7	330.2	000.1200	0918.4	124.1	31.89	
109.0	002.5000	-0150.1	012.7	330.2	000.1200	0918.8	124.0	31.93	
110.0	002.5000	-0134.8	012.7	330.1	000.1200	0919.1	123.8	31.97	
111.0	002.5000	-0126.8	012.7	330.0	000.1200	0919.3	123.7	32.01	
112.0	002.5000	-0124.1	012.7	329.9	000.1200	0919.4	123.6	32.05	
113.0	002.5000	-0120.2	012.7	329.8	000.1200	0919.6	123.4	32.09	
114.0	002.5000	-0116.1	012.7	329.8	000.1200	0920.0	123.3	32.13	
115.0	002.5000	-0108.5	012.7	329.7	000.1200	0920.5	123.2	32.17	
116.0	002.5000	-0095.7	012.7	329.6	000.1200	0921.0	123.0	32.20	
117.0	002.5000	-0075.8	012.7	329.5	000.1200	0921.5	122.9	32.24	
118.0	002.5000	-0052.3	012.7	329.4	000.1200	0922.1	122.8	32.28	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
119.0	002.5000	-0035.0	012.7	329.3	000.1200	0922.5	122.7	32.31
120.0	002.5000	-0016.8	012.7	329.2	000.1200	0922.9	122.6	32.34
121.0	002.5000	-0000.1	012.7	329.1	000.1200	0923.1	122.5	32.37
122.0	002.5000	0016.5	012.7	329.1	000.1200	0923.4	122.4	32.40
123.0	002.5000	0030.1	012.7	329.0	000.1200	0923.6	122.3	32.44
124.0	002.5000	0031.3	012.9	328.9	000.1200	0923.7	122.0	32.51
125.0	002.5000	0036.1	013.7	329.0	000.1200	0923.6	121.1	32.75
126.0	002.5000	0043.9	015.2	329.1	000.1200	0923.2	119.7	33.14
127.0	002.5000	0053.6	017.1	329.4	000.1200	0922.4	117.9	33.64
128.0	002.5000	0062.6	018.5	329.5	000.1200	0921.8	116.4	34.03
129.0	002.5000	0055.0	017.3	329.1	000.1200	0923.2	117.4	33.77
130.0	002.5000	0044.4	015.3	328.7	000.1200	0924.1	119.2	33.28
131.0	002.5000	0030.8	012.8	328.2	000.1200	0923.3	121.5	32.64
132.0	002.5000	0029.1	012.7	328.1	000.1200	0923.0	121.6	32.62
133.0	002.5000	0034.4	013.4	328.1	000.1200	0922.9	120.8	32.84
134.0	002.5000	0041.9	014.8	328.1	000.1200	0923.1	119.4	33.22
135.0	002.5000	0044.4	015.3	328.1	000.1200	0922.8	118.9	33.36
136.0	002.5000	0040.9	014.6	327.9	000.1200	0922.0	119.5	33.19
137.0	002.5000	0045.5	015.5	327.8	000.1200	0921.8	118.6	33.44
138.0	002.5000	0047.0	015.8	327.7	000.1200	0921.1	118.2	33.53
139.0	002.5000	0039.4	014.3	327.5	000.1200	0918.9	119.6	33.12
140.0	002.5000	0038.9	014.2	327.4	000.1200	0917.4	119.7	33.10
141.0	002.5000	0051.7	016.7	327.4	000.1200	0917.4	117.2	33.77
142.0	002.5000	0068.5	019.3	327.3	000.1200	0916.9	114.6	34.48
143.0	002.5000	0076.1	020.3	327.2	000.1200	0915.0	113.6	34.75
144.0	002.5000	0088.4	021.9	327.0	000.1200	0912.9	112.0	35.16
145.0	002.5000	0108.3	024.1	326.9	000.1200	0910.4	109.7	35.78
146.0	002.5000	0126.6	025.8	326.7	000.1200	0907.0	108.1	36.23
147.0	002.5000	0147.7	027.5	326.4	000.1200	0902.9	106.3	36.70
148.0	002.5000	0167.0	029.1	326.1	000.1200	0897.7	104.7	37.12
149.0	002.5000	0189.2	030.9	325.8	000.1200	0890.6	103.0	37.57
150.0	002.5000	0214.0	032.9	325.4	000.1200	0882.7	101.0	38.09
151.0	002.5000	0235.8	034.5	324.9	000.1200	0875.5	099.5	38.48
152.0	002.5000	0247.7	035.3	324.5	000.1200	0870.1	098.8	38.63
153.0	002.5000	0258.0	035.9	324.1	000.1200	0865.5	098.3	38.74
154.0	002.5000	0269.7	036.6	323.7	000.1200	0861.8	097.7	38.88
155.0	002.5000	0285.2	037.5	323.2	000.1200	0858.1	097.0	39.07
156.0	002.5000	0302.2	038.5	322.7	000.1200	0853.8	096.2	39.25
157.0	002.5000	0322.8	039.6	322.1	000.1200	0849.3	095.3	39.48
158.0	002.5000	0345.8	040.8	321.5	000.1200	0845.6	094.3	39.74
159.0	002.5000	0364.8	041.8	320.9	000.1200	0839.9	093.6	39.90
160.0	002.5000	0379.6	042.5	320.3	000.1200	0831.2	093.1	39.93
161.0	002.5000	0390.8	043.0	319.8	000.1200	0821.5	092.9	39.88
162.0	002.5000	0402.8	043.6	319.2	000.1200	0811.8	092.7	39.83
163.0	002.5000	0405.7	043.7	318.8	000.1200	0802.6	092.9	39.66
164.0	002.5000	0410.8	044.0	318.3	000.1200	0792.8	093.0	39.51
165.0	002.5000	0420.7	044.5	317.7	000.1200	0784.9	092.9	39.43
166.0	002.5000	0427.9	044.8	317.2	000.1200	0781.0	093.0	39.36
167.0	002.5000	0429.8	044.9	316.7	000.1200	0779.6	093.3	39.25
168.0	002.5000	0428.2	044.8	316.4	000.1200	0778.6	093.7	39.09
169.0	002.5000	0428.9	044.9	315.9	000.1200	0777.9	094.1	38.96

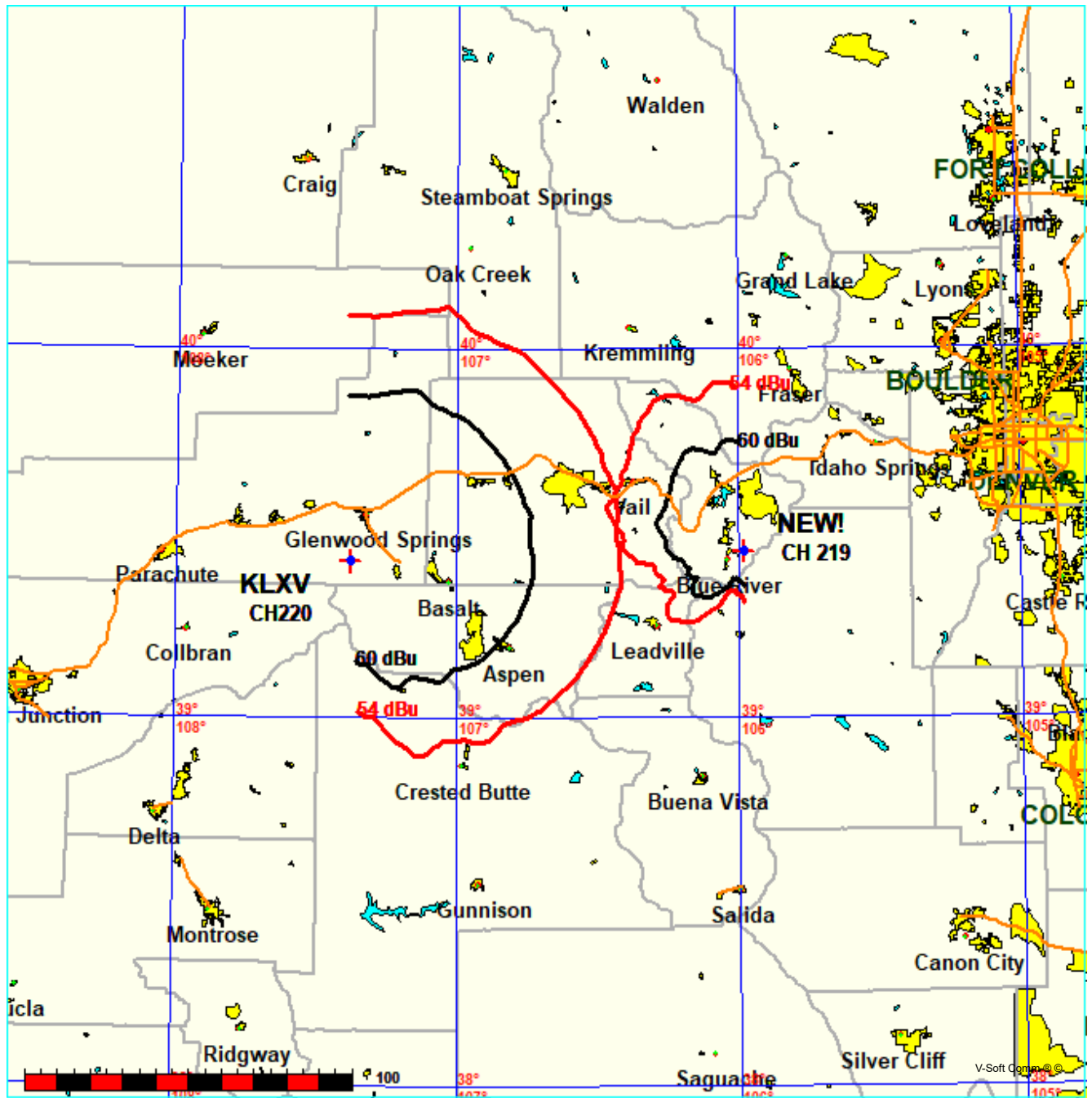
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
170.0	002.5000	0429.9	044.9	315.5	000.1200	0777.4	094.5	38.83
171.0	002.5000	0427.4	044.8	315.2	000.1200	0774.9	095.1	38.62
172.0	002.5000	0421.8	044.5	314.9	000.1200	0771.8	095.8	38.37
173.0	002.5000	0416.9	044.3	314.6	000.1200	0767.7	096.5	38.12
174.0	002.5000	0412.2	044.1	314.4	000.1200	0763.8	097.1	37.87
175.0	002.5000	0410.1	044.0	314.1	000.1200	0758.5	097.7	37.63
176.0	002.5000	0406.9	043.8	313.8	000.1200	0754.1	098.3	37.39
177.0	002.5000	0401.5	043.5	313.6	000.1200	0751.0	099.0	37.14
178.0	002.5000	0387.2	042.9	313.5	000.1200	0750.4	100.1	36.83
179.0	002.5000	0380.3	042.6	313.4	000.1200	0748.1	100.8	36.58
180.0	002.5000	0380.2	042.5	313.1	000.1200	0743.4	101.4	36.36
181.0	002.5000	0381.7	042.6	312.8	000.1200	0738.0	101.9	36.15
182.0	002.5000	0380.8	042.6	312.5	000.1200	0733.1	102.5	35.92
183.0	002.5000	0380.1	042.5	312.3	000.1200	0729.3	103.0	35.70
184.0	002.5000	0376.3	042.4	312.1	000.1200	0728.1	103.7	35.48
185.0	002.5000	0375.0	042.3	311.9	000.1200	0727.2	104.4	35.30
186.0	002.5000	0374.7	042.3	311.7	000.1200	0725.5	105.0	35.10
187.0	002.5000	0366.3	041.9	311.6	000.1200	0725.1	105.8	34.86
188.0	002.5000	0357.8	041.5	311.6	000.1200	0724.8	106.7	34.62
189.0	002.5000	0348.2	041.0	311.6	000.1200	0725.0	107.5	34.38
190.0	002.5000	0339.6	040.5	311.6	000.1200	0725.1	108.4	34.15
191.0	002.5000	0336.6	040.3	311.5	000.1200	0723.9	109.1	33.94
192.0	002.5000	0326.1	039.8	311.6	000.1200	0724.8	110.0	33.71
193.0	002.5000	0316.5	039.2	311.6	000.1200	0725.5	110.8	33.48
194.0	002.5000	0312.8	039.0	311.6	000.1200	0724.8	111.5	33.28
195.0	002.5000	0305.1	038.6	311.6	000.1200	0725.1	112.3	33.06
196.0	002.5000	0297.3	038.2	311.7	000.1200	0725.7	113.1	32.85
197.0	002.5000	0303.0	038.5	311.4	000.1200	0723.0	113.6	32.68
198.0	002.5000	0294.2	038.0	311.5	000.1200	0723.7	114.4	32.47
199.0	002.5000	0284.5	037.5	311.6	000.1200	0725.0	115.2	32.26
200.0	002.5000	0279.8	037.2	311.6	000.1200	0725.0	115.9	32.07
201.0	002.5000	0279.5	037.2	311.5	000.1200	0724.0	116.5	31.88
202.0	002.5000	0274.8	036.9	311.5	000.1200	0724.2	117.2	31.69
203.0	002.5000	0265.4	036.3	311.7	000.1200	0725.8	118.0	31.49
204.0	002.5000	0260.8	036.1	311.7	000.1200	0726.1	118.7	31.31
205.0	002.5000	0263.9	036.3	311.5	000.1200	0724.4	119.2	31.13

Proposed Channel Study - Breckenridge vs KLXV  
Rocky Mountain Public Broadcasting Network

FMCommander Single Allocation Study - 12-17-2021 - FCC 30 meter  
NEW!'s Overlaps (In= 12.07 km, Out= 26.96 km)

NEW! CH 219 A 73.215 Z  
Lat= 39 27 34.90, Lng= 105 58 48.00  
0.12 kW 510.1 m HAAT, 3824 m COR  
Prot.= 60 dBu, Intef.= 54 dBu

KLXV CH 220 C2 BLED20040810ABV  
Lat= 39 25 29.90, Lng= 107 22 48.10  
0.75 kW 811 m HAAT, 3261 m COR  
Prot.= 60 dBu, Intef.= 54 dBu





12-17-2021

Terrain Data: FCC 30 meter

FMOver Analysis

NEW!

KLXV BLED20040810ABV

Channel = 219A  
 Max ERP = 0.12 kW  
 RCAMSL = 3824 m  
 N. Lat. 39 27 34.90  
 W. Lng. 105 58 48.00  
 Protected  
 60 dBu

Channel = 220C2  
 Max ERP = 0.75 kW  
 RCAMSL = 3261 m  
 N. Lat. 39 25 29.90  
 W. Lng. 107 22 48.10  
 Interfering  
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
209.0	000.0448	0305.4	014.8	094.2	000.7500	1171.1	113.5	45.01	
210.0	000.0469	0320.6	015.3	094.3	000.7500	1170.7	113.1	45.15	
211.0	000.0492	0339.1	015.9	094.6	000.7500	1169.4	112.5	45.29	
212.0	000.0513	0356.0	016.5	094.8	000.7500	1167.8	112.0	45.43	
213.0	000.0539	0372.6	017.1	095.0	000.7500	1165.2	111.5	45.57	
214.0	000.0563	0386.4	017.6	095.2	000.7500	1163.6	111.0	45.71	
215.0	000.0590	0392.9	018.0	095.2	000.7500	1162.7	110.6	45.83	
216.0	000.0619	0397.2	018.3	095.3	000.7500	1162.0	110.1	45.96	
217.0	000.0647	0399.7	018.5	095.3	000.7500	1161.7	109.7	46.07	
218.0	000.0677	0399.1	018.8	095.3	000.7500	1161.7	109.3	46.19	
219.0	000.0710	0396.2	018.9	095.3	000.7500	1161.9	109.0	46.30	
220.0	000.0743	0401.5	019.3	095.4	000.7500	1161.3	108.5	46.44	
221.0	000.0778	0401.2	019.5	095.4	000.7500	1161.4	108.1	46.56	
222.0	000.0815	0391.4	019.5	095.3	000.7500	1162.5	107.8	46.65	
223.0	000.0853	0388.2	019.6	095.2	000.7500	1163.0	107.5	46.76	
224.0	000.0894	0393.4	020.0	095.2	000.7500	1162.6	107.0	46.90	
225.0	000.0936	0395.5	020.2	095.2	000.7500	1162.6	106.5	47.04	
226.0	000.0978	0396.1	020.5	095.2	000.7500	1162.8	106.1	47.17	
227.0	000.1025	0395.0	020.7	095.2	000.7500	1163.2	105.7	47.29	
228.0	000.1074	0387.1	020.7	095.1	000.7500	1164.4	105.4	47.39	
229.0	000.1124	0377.0	020.7	094.9	000.7500	1166.1	105.1	47.48	
230.0	000.1178	0360.6	020.5	094.7	000.7500	1168.4	105.0	47.54	
231.0	000.1200	0353.4	020.4	094.5	000.7500	1169.6	104.8	47.61	
232.0	000.1200	0349.0	020.3	094.4	000.7500	1170.7	104.7	47.66	
233.0	000.1200	0342.6	020.1	094.2	000.7500	1171.1	104.6	47.70	
234.0	000.1200	0324.1	019.6	093.8	000.7500	1169.0	104.7	47.63	
235.0	000.1200	0303.8	019.0	093.5	000.7500	1167.6	105.0	47.54	
236.0	000.1200	0277.5	018.1	093.0	000.7500	1169.2	105.5	47.42	
237.0	000.1200	0256.2	017.4	092.6	000.7500	1169.2	105.9	47.29	
238.0	000.1200	0246.1	017.0	092.4	000.7500	1168.3	106.0	47.25	
239.0	000.1200	0242.1	016.9	092.2	000.7500	1166.7	105.9	47.25	
240.0	000.1200	0254.2	017.3	092.2	000.7500	1166.7	105.4	47.41	
241.0	000.1200	0268.3	017.8	092.2	000.7500	1166.8	104.8	47.59	
242.0	000.1200	0283.3	018.3	092.2	000.7500	1166.8	104.2	47.77	
243.0	000.1200	0292.7	018.6	092.2	000.7500	1166.1	103.8	47.89	
244.0	000.1200	0284.6	018.4	091.9	000.7500	1163.3	103.9	47.85	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
245.0	000.1200	0298.6	018.8	091.9	000.7500	1162.7	103.3	48.01
246.0	000.1200	0307.4	019.1	091.8	000.7500	1161.3	102.9	48.12
247.0	000.1200	0294.3	018.7	091.5	000.7500	1156.8	103.1	48.01
248.0	000.1200	0282.2	018.3	091.3	000.7500	1152.2	103.4	47.91
249.0	000.1200	0268.2	017.8	091.0	000.7500	1147.2	103.7	47.77
250.0	000.1200	0267.3	017.8	090.9	000.7500	1145.1	103.6	47.78
251.0	000.1200	0272.7	018.0	090.7	000.7500	1144.3	103.3	47.86
252.0	000.1200	0288.3	018.5	090.7	000.7500	1144.1	102.7	48.04
253.0	000.1200	0293.4	018.7	090.5	000.7500	1143.7	102.4	48.12
254.0	000.1200	0294.2	018.7	090.4	000.7500	1144.2	102.3	48.16
255.0	000.1200	0296.0	018.7	090.2	000.7500	1144.5	102.2	48.21
256.0	000.1200	0302.9	019.0	090.0	000.7500	1144.2	101.9	48.29
257.0	000.1200	0306.0	019.1	089.9	000.7500	1143.7	101.7	48.34
258.0	000.1200	0303.4	019.0	089.7	000.7500	1143.2	101.7	48.34
259.0	000.1200	0301.3	018.9	089.5	000.7500	1143.4	101.7	48.34
260.0	000.1200	0314.5	019.3	089.4	000.7500	1143.7	101.2	48.48
261.0	000.1200	0345.2	020.2	089.2	000.7500	1144.1	100.3	48.77
262.0	000.1200	0375.1	021.0	089.1	000.7500	1144.9	099.5	49.02
263.0	000.1200	0401.3	021.7	088.9	000.7500	1145.2	098.7	49.24
264.0	000.1200	0416.2	022.0	088.7	000.7500	1145.5	098.3	49.36
265.0	000.1200	0422.2	022.2	088.5	000.7500	1146.2	098.1	49.42
266.0	000.1200	0435.3	022.5	088.3	000.7500	1146.4	097.8	49.53
267.0	000.1200	0446.0	022.8	088.1	000.7500	1146.3	097.5	49.62
268.0	000.1200	0458.1	023.1	087.9	000.7500	1146.8	097.2	49.71
269.0	000.1200	0475.3	023.6	087.6	000.7500	1146.9	096.7	49.86
270.0	000.1200	0494.9	024.1	087.4	000.7500	1146.3	096.1	50.02
271.0	000.1200	0494.7	024.1	087.1	000.7500	1144.7	096.2	50.00
272.0	000.1200	0490.3	024.0	086.9	000.7500	1141.0	096.3	49.92
273.0	000.1200	0489.0	024.0	086.6	000.7500	1136.6	096.4	49.87
274.0	000.1200	0487.6	023.9	086.4	000.7500	1132.9	096.5	49.81
275.0	000.1200	0496.9	024.2	086.1	000.7500	1128.4	096.3	49.84
276.0	000.1200	0496.6	024.2	085.9	000.7500	1123.6	096.3	49.78
277.0	000.1200	0504.0	024.4	085.6	000.7500	1118.1	096.2	49.78
278.0	000.1200	0517.9	024.8	085.3	000.7500	1113.4	095.9	49.83
279.0	000.1200	0536.5	025.3	085.0	000.7500	1112.0	095.4	49.94
280.0	000.1200	0550.0	025.7	084.7	000.7500	1111.4	095.2	50.01
281.0	000.1200	0557.8	025.9	084.4	000.7500	1111.3	095.1	50.03
282.0	000.1200	0577.6	026.4	084.0	000.7500	1113.6	094.8	50.15
283.0	000.1200	0597.6	026.9	083.7	000.7500	1117.6	094.5	50.27
284.0	000.1200	0615.4	027.3	083.3	000.7500	1121.6	094.3	50.37
285.0	000.1200	0632.9	027.6	083.0	000.7500	1126.2	094.1	50.46
286.0	000.1200	0651.9	028.1	082.6	000.7500	1129.6	093.9	50.55
287.0	000.1200	0651.8	028.0	082.3	000.7500	1132.7	094.1	50.52
288.0	000.1200	0644.2	027.9	082.1	000.7500	1134.7	094.4	50.43
289.0	000.1200	0632.6	027.6	081.9	000.7500	1137.2	094.9	50.32
290.0	000.1200	0622.1	027.4	081.7	000.7500	1140.0	095.3	50.22
291.0	000.1200	0615.6	027.3	081.5	000.7500	1143.0	095.6	50.15
292.0	000.1200	0623.1	027.4	081.2	000.7500	1146.9	095.7	50.15
293.0	000.1200	0629.3	027.6	080.9	000.7500	1150.5	095.8	50.14
294.0	000.1200	0619.3	027.3	080.7	000.7500	1151.9	096.3	50.02
295.0	000.1200	0610.3	027.1	080.5	000.7500	1154.1	096.7	49.91

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
296.0	000.1200	0612.6	027.2	080.3	000.7500	1156.8	096.9	49.87
297.0	000.1200	0611.6	027.2	080.1	000.7500	1159.4	097.2	49.80
298.0	000.1200	0608.4	027.1	079.9	000.7500	1161.8	097.6	49.72
299.0	000.1200	0613.2	027.2	079.6	000.7500	1164.6	097.8	49.68
300.0	000.1200	0641.1	027.8	079.2	000.7500	1166.0	097.6	49.74
301.0	000.1200	0653.9	028.1	078.9	000.7500	1166.3	097.7	49.71
302.0	000.1200	0639.3	027.8	078.8	000.7500	1166.4	098.3	49.55
303.0	000.1200	0637.0	027.7	078.6	000.7500	1166.8	098.6	49.44
304.0	000.1200	0648.1	028.0	078.3	000.7500	1167.6	098.8	49.40
305.0	000.1200	0654.0	028.1	078.0	000.7500	1169.5	099.1	49.33
306.0	000.1200	0659.8	028.2	077.8	000.7500	1173.6	099.3	49.29
307.0	000.1200	0664.4	028.3	077.5	000.7500	1177.1	099.6	49.22
308.0	000.1200	0668.7	028.4	077.3	000.7500	1180.3	099.9	49.16
309.0	000.1200	0680.9	028.7	077.0	000.7500	1185.7	100.2	49.13
310.0	000.1200	0701.7	029.1	076.6	000.7500	1196.3	100.3	49.18
311.0	000.1200	0718.8	029.5	076.3	000.7500	1207.9	100.5	49.21
312.0	000.1200	0727.6	029.7	076.0	000.7500	1215.7	100.8	49.17
313.0	000.1200	0741.8	030.0	075.7	000.7500	1220.3	101.0	49.13
314.0	000.1200	0757.2	030.4	075.4	000.7500	1218.4	101.3	49.04
315.0	000.1200	0772.8	030.7	075.1	000.7500	1213.4	101.6	48.93
316.0	000.1200	0778.0	030.8	074.9	000.7500	1209.8	102.0	48.78
317.0	000.1200	0780.2	030.9	074.7	000.7500	1207.6	102.4	48.63
318.0	000.1200	0788.7	031.1	074.4	000.7500	1203.6	102.8	48.48
319.0	000.1200	0807.5	031.5	074.1	000.7500	1197.6	103.1	48.35
320.0	000.1200	0825.1	031.9	073.8	000.7500	1194.5	103.4	48.23
321.0	000.1200	0841.0	032.3	073.4	000.7500	1191.2	103.8	48.10
322.0	000.1200	0848.4	032.5	073.2	000.7500	1188.1	104.2	47.94
323.0	000.1200	0856.6	032.6	073.0	000.7500	1185.7	104.7	47.78
324.0	000.1200	0864.4	032.8	072.8	000.7500	1183.3	105.2	47.62
325.0	000.1200	0876.5	033.1	072.6	000.7500	1179.8	105.6	47.45
326.0	000.1200	0895.6	033.5	072.3	000.7500	1176.1	106.0	47.30
327.0	000.1200	0912.2	033.8	072.0	000.7500	1174.9	106.5	47.15
328.0	000.1200	0922.6	034.0	071.8	000.7500	1173.6	107.0	46.98

12-17-2021

Terrain Data: FCC 30 meter

FMOver Analysis

KLXV BLED20040810ABV

NEW!

Channel = 220C2

Max ERP = 0.75 kW

RCAMSL = 3261 m

N. Lat. 39 25 29.90

W. Lng. 107 22 48.10

Protected

60 dBu

Channel = 219A

Max ERP = 0.12 kW

RCAMSL = 3824 m

N. Lat. 39 27 34.90

W. Lng. 105 58 48.00

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
028.0	000.7500	1017.1	053.3	294.8	000.1200	0611.3	104.1	33.77	
029.0	000.7500	1014.5	053.2	294.8	000.1200	0611.8	103.2	34.02	
030.0	000.7500	1015.3	053.3	294.7	000.1200	0612.0	102.3	34.26	
031.0	000.7500	1031.7	053.6	294.8	000.1200	0611.3	101.3	34.51	
032.0	000.7500	1039.9	053.7	294.8	000.1200	0611.2	100.4	34.76	
033.0	000.7500	1043.0	053.8	294.8	000.1200	0611.5	099.4	35.02	
034.0	000.7500	1050.2	053.9	294.8	000.1200	0611.7	098.5	35.28	
035.0	000.7500	1057.2	054.0	294.8	000.1200	0611.9	097.5	35.55	
036.0	000.7500	1070.8	054.3	294.8	000.1200	0611.7	096.6	35.83	
037.0	000.7500	1088.9	054.6	294.8	000.1200	0611.3	095.6	36.11	
038.0	000.7500	1104.9	054.8	294.9	000.1200	0611.2	094.6	36.40	
039.0	000.7500	1116.8	055.0	294.8	000.1200	0611.3	093.6	36.70	
040.0	000.7500	1123.1	055.1	294.7	000.1200	0612.0	092.6	37.00	
041.0	000.7500	1121.3	055.1	294.5	000.1200	0613.1	091.7	37.29	
042.0	000.7500	1122.9	055.1	294.4	000.1200	0614.9	090.8	37.61	
043.0	000.7500	1125.0	055.2	294.2	000.1200	0616.9	089.9	37.93	
044.0	000.7500	1125.9	055.2	294.0	000.1200	0619.6	089.0	38.25	
045.0	000.7500	1129.4	055.2	293.8	000.1200	0622.3	088.1	38.59	
046.0	000.7500	1128.7	055.2	293.5	000.1200	0626.1	087.2	38.93	
047.0	000.7500	1131.0	055.3	293.3	000.1200	0628.2	086.3	39.25	
048.0	000.7500	1129.2	055.2	293.0	000.1200	0629.3	085.4	39.54	
049.0	000.7500	1130.9	055.3	292.7	000.1200	0629.0	084.5	39.82	
050.0	000.7500	1131.1	055.3	292.4	000.1200	0627.1	083.7	40.06	
051.0	000.7500	1133.5	055.3	292.1	000.1200	0624.9	082.8	40.30	
052.0	000.7500	1139.6	055.4	291.9	000.1200	0620.7	081.9	40.51	
053.0	000.7500	1145.4	055.5	291.5	000.1200	0617.3	081.1	40.73	
054.0	000.7500	1148.0	055.5	291.2	000.1200	0615.9	080.2	40.97	
055.0	000.7500	1154.6	055.6	290.9	000.1200	0615.6	079.4	41.24	
056.0	000.7500	1158.7	055.7	290.5	000.1200	0617.1	078.5	41.53	
057.0	000.7500	1163.4	055.8	290.1	000.1200	0620.8	077.7	41.85	
058.0	000.7500	1165.1	055.8	289.7	000.1200	0625.4	077.0	42.16	
059.0	000.7500	1164.9	055.8	289.2	000.1200	0630.2	076.2	42.47	
060.0	000.7500	1168.6	055.8	288.7	000.1200	0635.1	075.4	42.79	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
061.0	000.7500	1174.0	055.9	288.3	000.1200	0640.7	074.7	43.12
062.0	000.7500	1171.4	055.9	287.7	000.1200	0646.4	074.0	43.42
063.0	000.7500	1175.2	055.9	287.2	000.1200	0650.5	073.3	43.70
064.0	000.7500	1174.5	055.9	286.7	000.1200	0653.9	072.6	43.95
065.0	000.7500	1172.6	055.9	286.1	000.1200	0652.3	072.0	44.12
066.0	000.7500	1171.7	055.9	285.4	000.1200	0642.1	071.4	44.17
067.0	000.7500	1168.8	055.8	284.8	000.1200	0629.7	070.8	44.17
068.0	000.7500	1161.5	055.7	284.1	000.1200	0617.4	070.4	44.15
069.0	000.7500	1162.4	055.8	283.5	000.1200	0606.1	069.8	44.17
070.0	000.7500	1162.5	055.8	282.8	000.1200	0593.2	069.3	44.17
071.0	000.7500	1166.2	055.8	282.1	000.1200	0579.9	068.7	44.17
072.0	000.7500	1174.8	055.9	281.5	000.1200	0565.9	068.1	44.16
073.0	000.7500	1185.4	056.1	280.8	000.1200	0555.5	067.5	44.19
074.0	000.7500	1196.6	056.3	280.1	000.1200	0550.8	067.0	44.30
075.0	000.7500	1212.2	056.5	279.4	000.1200	0542.7	066.3	44.34
076.0	000.7500	1216.5	056.5	278.6	000.1200	0531.0	065.9	44.20
077.0	000.7500	1186.2	056.1	277.7	000.1200	0512.6	066.0	43.70
078.0	000.7500	1169.9	055.9	276.8	000.1200	0502.8	065.9	43.48
079.0	000.7500	1166.3	055.8	276.0	000.1200	0496.6	065.6	43.40
080.0	000.7500	1160.3	055.7	275.2	000.1200	0497.5	065.5	43.48
081.0	000.7500	1149.5	055.6	274.3	000.1200	0490.7	065.4	43.32
082.0	000.7500	1135.7	055.3	273.4	000.1200	0486.5	065.4	43.20
083.0	000.7500	1125.7	055.2	272.6	000.1200	0490.5	065.4	43.31
084.0	000.7500	1113.7	055.0	271.7	000.1200	0490.9	065.5	43.30
085.0	000.7500	1112.1	055.0	270.9	000.1200	0495.2	065.4	43.43
086.0	000.7500	1126.3	055.2	270.1	000.1200	0495.5	065.1	43.54
087.0	000.7500	1143.2	055.5	269.2	000.1200	0480.3	064.8	43.25
088.0	000.7500	1146.6	055.5	268.4	000.1200	0462.5	064.8	42.80
089.0	000.7500	1145.2	055.5	267.5	000.1200	0451.3	064.8	42.49
090.0	000.7500	1144.0	055.5	266.7	000.1200	0443.0	064.9	42.25
091.0	000.7500	1146.9	055.5	265.8	000.1200	0433.3	064.9	41.98
092.0	000.7500	1164.1	055.8	264.9	000.1200	0421.1	064.8	41.71
093.0	000.7500	1169.2	055.9	264.1	000.1200	0416.2	064.9	41.55
094.0	000.7500	1170.6	055.9	263.2	000.1200	0405.0	065.0	41.20
095.0	000.7500	1165.2	055.8	262.4	000.1200	0386.9	065.3	40.62
096.0	000.7500	1154.0	055.6	261.6	000.1200	0362.7	065.7	39.78
097.0	000.7500	1142.0	055.4	260.8	000.1200	0340.2	066.2	38.88
098.0	000.7500	1131.7	055.3	260.1	000.1200	0316.5	066.6	37.89
099.0	000.7500	1127.1	055.2	259.3	000.1200	0302.8	067.0	37.28
100.0	000.7500	1119.1	055.1	258.6	000.1200	0302.2	067.5	37.09
101.0	000.7500	1112.2	055.0	257.9	000.1200	0303.3	068.0	36.95
102.0	000.7500	1108.4	054.9	257.2	000.1200	0305.2	068.4	36.85
103.0	000.7500	1099.8	054.7	256.5	000.1200	0306.6	069.0	36.70
104.0	000.7500	1086.7	054.5	255.9	000.1200	0302.4	069.6	36.33
105.0	000.7500	1078.1	054.4	255.3	000.1200	0296.7	070.2	35.93
106.0	000.7500	1068.9	054.2	254.7	000.1200	0297.0	070.9	35.72
107.0	000.7500	1061.1	054.1	254.1	000.1200	0294.7	071.5	35.42
108.0	000.7500	1052.1	053.9	253.6	000.1200	0292.9	072.2	35.13
109.0	000.7500	1037.4	053.7	253.1	000.1200	0293.7	072.9	34.89
110.0	000.7500	1027.3	053.5	252.6	000.1200	0290.6	073.6	34.54
111.0	000.7500	1016.0	053.3	252.2	000.1200	0289.0	074.4	34.23

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
112.0	000.7500	1006.7	053.1	251.7	000.1200	0285.1	075.1	33.86
113.0	000.7500	0996.5	052.9	251.3	000.1200	0277.0	075.9	33.35
114.0	000.7500	0988.8	052.8	250.9	000.1200	0271.4	076.6	32.92
115.0	000.7500	0979.8	052.6	250.5	000.1200	0270.2	077.4	32.63
116.0	000.7500	0971.8	052.4	250.1	000.1200	0267.8	078.2	32.30
117.0	000.7500	0963.0	052.3	249.7	000.1200	0266.0	078.9	31.99
118.0	000.7500	0947.3	051.9	249.5	000.1200	0265.5	079.8	31.68
119.0	000.7500	0933.8	051.7	249.2	000.1200	0266.5	080.7	31.43
120.0	000.7500	0918.0	051.3	249.0	000.1200	0268.5	081.6	31.19
121.0	000.7500	0902.3	051.0	248.8	000.1200	0271.0	082.5	30.97
122.0	000.7500	0892.6	050.8	248.5	000.1200	0274.6	083.4	30.81
123.0	000.7500	0884.4	050.6	248.3	000.1200	0277.3	084.2	30.63
124.0	000.7500	0875.0	050.4	248.1	000.1200	0280.8	085.1	30.46
125.0	000.7500	0863.9	050.1	247.9	000.1200	0283.5	085.9	30.26
126.0	000.7500	0856.0	049.9	247.7	000.1200	0286.2	086.8	30.08
127.0	000.7500	0844.4	049.6	247.6	000.1200	0287.0	087.7	29.82
128.0	000.7500	0830.4	049.3	247.5	000.1200	0287.3	088.6	29.53
129.0	000.7500	0815.2	048.9	247.5	000.1200	0287.6	089.6	29.24
130.0	000.7500	0805.5	048.6	247.4	000.1200	0288.3	090.4	28.99
131.0	000.7500	0788.1	048.1	247.5	000.1200	0287.7	091.4	28.67
132.0	000.7500	0768.4	047.5	247.6	000.1200	0287.2	092.4	28.33
133.0	000.7500	0746.5	046.8	247.7	000.1200	0286.0	093.4	27.98
134.0	000.7500	0735.3	046.5	247.7	000.1200	0286.0	094.3	27.70
135.0	000.7500	0718.9	046.0	247.8	000.1200	0284.6	095.3	27.36
136.0	000.7500	0703.9	045.5	247.9	000.1200	0283.1	096.2	27.03
137.0	000.7500	0695.4	045.2	247.9	000.1200	0283.3	097.0	26.77
138.0	000.7500	0705.6	045.5	247.6	000.1200	0287.0	097.7	26.69
139.0	000.7500	0719.5	046.0	247.2	000.1200	0291.8	098.3	26.64
140.0	000.7500	0720.4	046.0	247.0	000.1200	0293.8	099.1	26.47
141.0	000.7500	0719.9	046.0	246.9	000.1200	0295.2	099.8	26.27
142.0	000.7500	0712.9	045.8	246.9	000.1200	0295.0	100.7	26.00
143.0	000.7500	0710.8	045.7	246.9	000.1200	0296.3	101.5	25.79
144.0	000.7500	0691.2	045.0	247.1	000.1200	0292.7	102.4	25.40
145.0	000.7500	0665.2	044.2	247.5	000.1200	0287.5	103.3	24.96
146.0	000.7500	0639.6	043.3	247.9	000.1200	0283.6	104.2	24.57
147.0	000.7500	0610.0	042.3	248.4	000.1200	0276.3	105.2	24.08