

KDXA (FM) GLENDALE, OREGON

FAC ID: 176394

MINOR CHANGE

LOC 42 41 48.6 N
123 13 38.8 W

AGL 10 M

COR 1570.6 M

POWER 0.07 kw

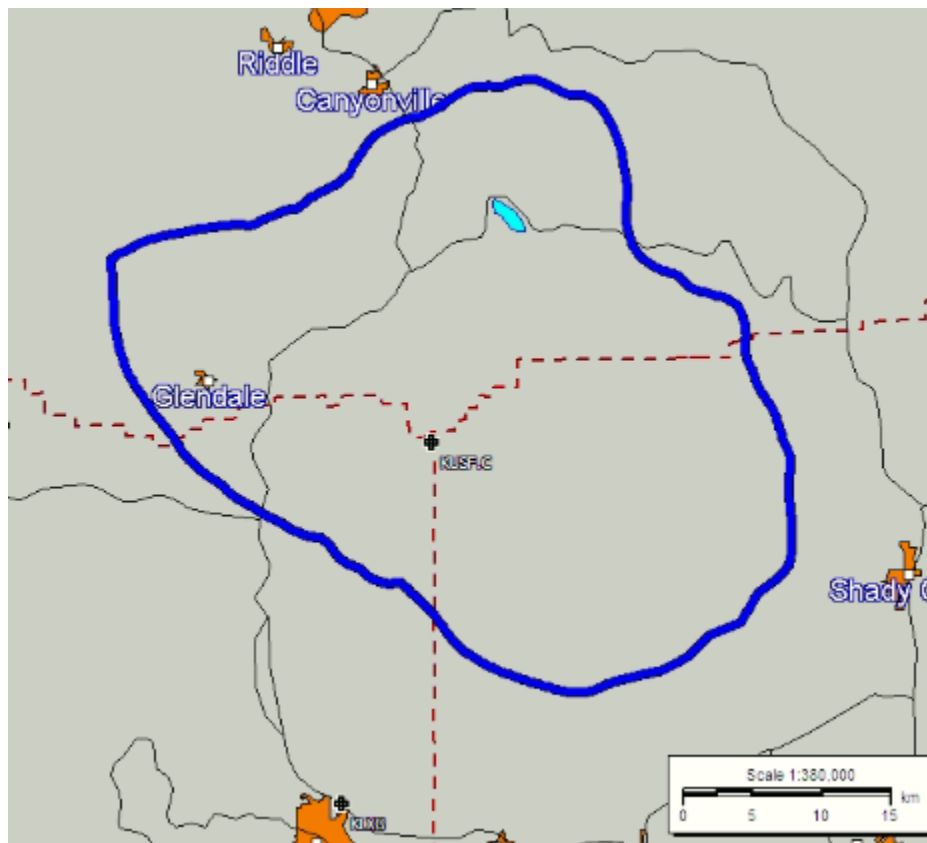
CH 217

HAAT 784 M

PAT DA

Tower: 95.4 m total

ASR 1034935



COL COVERAGE: >50 % POP/AREA

CONTOURS

Common Frequency, Inc.											
REFERENCE		CH# 217A - 91.3 MHz, Pwr= 0.07 kW DA, HAAT= 784.0 M, COR= 1571 M								DISPLAY DATES	
42 41 48.0 N.		Average Protected F(50-50)= 27.0 km								DATA 09-10-21	
123 13 43.0 W.		Standard Directional								SEARCH 09-11-21	

CH	CALL	TYPE	ANT	AZI.	DIST	LAT.	Pwr(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY			STATE	<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap	in km)

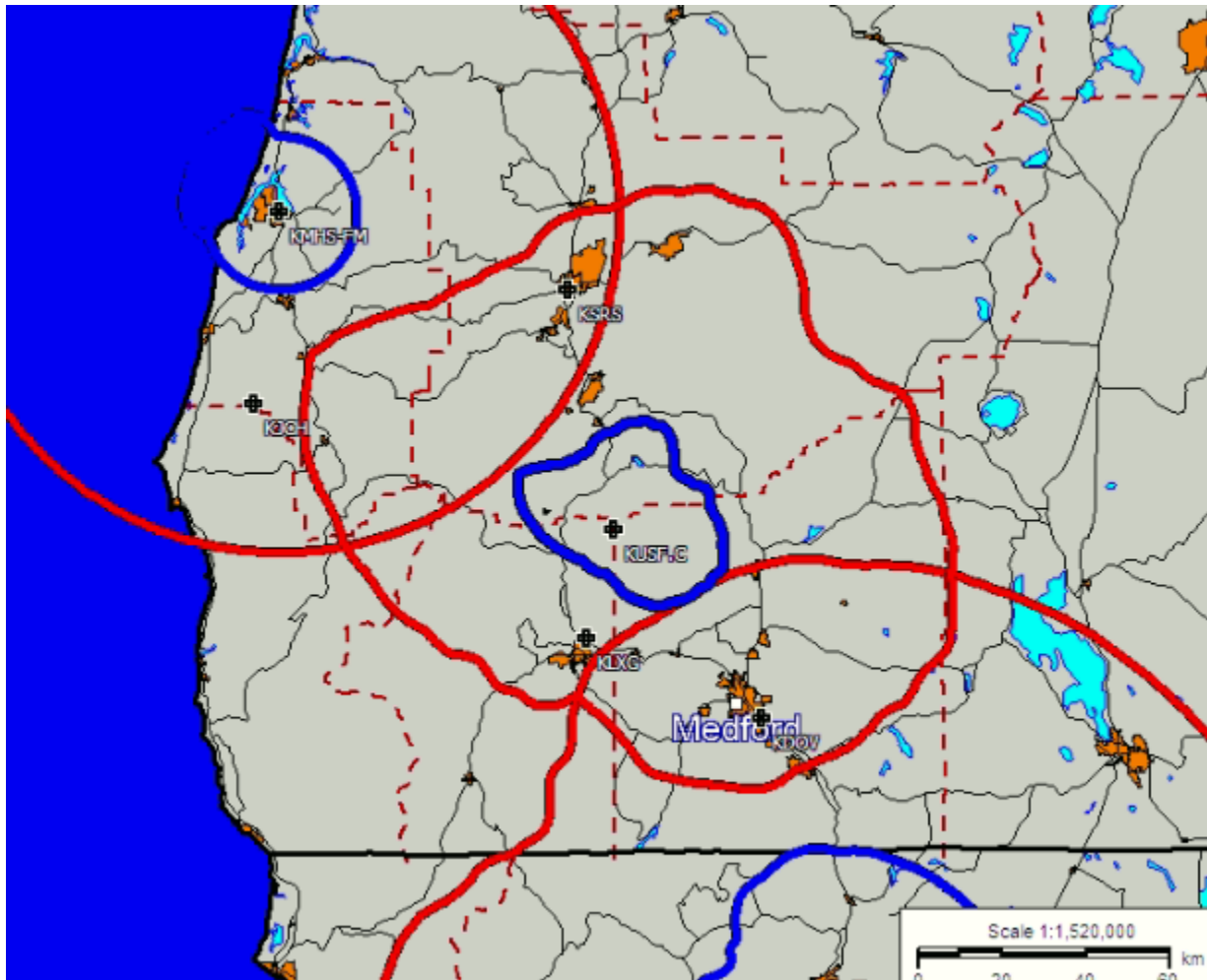
217A	KUSF!	CP	DCN	0.0	0.00	42 41 48.00	0.070		---	Reference---	
Glendale			OR	0.0	BPED20180910AAE	123 13 43.00	784	1571	Common Frequency, Inc.		
217A	KUSF!	LIC	CN	286.3	13.25	42 43 48.30	0.006		---	Reference---	
Glendale			OR	106.2	BLED20140310AAC	123 23 03.80	290	960	Common Frequency, Inc.		
218A	KSRS	LIC	CN	349.0	57.69	43 12 21.40	2.000	31.9	21.5	3.5	1.0
Roseburg			OR	168.9	BLED19910103KA	123 21 52.20	93	358	Southern Oregon University		
216A	KLXG	LIC	CN	193.9	26.64	42 27 50.40	0.500	12.0	8.5	4.4	1.7
Grants Pass			OR	13.8	BLED20020402AAE	123 18 23.20	22	508	Educational Media Foundati		
217C2	KNYR	LIC	CN	157.4	130.67	41 36 35.50	0.400	107.9	41.5	4.3	23.8
Yreka			CA	337.8	BLED19951012KB	122 37 30.00	721	1817	Southern Oregon University		
217C3	KMHS-FM	LIC	HN	313.6	108.92	43 22 06.40	10.000	80.3	18.1	6.3	16.7
Coos Bay			OR	133.0	BLED20080605AAW	124 12 15.40	-10	61	Coos Bay School District N		
219C2	KDOV«	LIC	CN	142.0	56.52	42 17 43.40	26.000	5.4	49.6	29.5	6.6
Medford			OR	322.3	BLED19950811KB	122 48 19.10	-111	588	Thedove Media, Inc.		
270C	KCMX-FM«	LIC	CN	138.2	59.24	42 17 54.40	42.000	0.0	0.0	28.5R	30.7M
Ashland			OR	318.6	BLH20051128A0B	122 44 57.10	448	1206	Smg-Medford, LLC		
215C2	KJCH	LIC	CN	289.2	90.10	42 57 31.40	3.500	3.7	51.5	62.4	38.2
Coos Bay			OR	108.5	BLED20061211ACY	124 16 27.40	446	689	CSN International		
216C1	KWAX	LIC	EN	3.6	145.30	44 00 03.40	21.500	77.0	52.2	43.4	54.3
Eugene			OR	183.7	BLED19930308KB	123 06 49.30	370	562	University Of Oregon		

Terrain database is 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= - Zone 2, Co to 3rd
adjacent.

All separation margins (if shown) include rounding. 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)
« = Station meets FCC minimum distance spacing for its class.

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.

CO CHANNELS: RED 60 dBu / BLUE 40 dBu with KNYR, KMHS



09-12-2021 Terrain Data: NGDC 30 SEC FM0ver Analysis

KUSF.C	KNYR BLED19951012KB
Channel = 217A	Channel = 217C2
Max ERP = 0.07 kW	Max ERP = 0.4 kW
RCAMSL = 1571 m	RCAMSL = 1817 m
N. Lat. 42 41 48.00	N. Lat. 41 36 35.50
W. Lng. 123 13 43.00	W. Lng. 122 37 30.00
Protected	Interfering
60 dBu	40 dBu

Azimuth	ERP	HAAT	Dist	Azimuth	ERP	HAAT	Dist	Actual	IX
(degrees)	(kW)	(m)	(km)	(degrees)	(kW)	(m)	(km)	(dBu)	(km)

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097.0	000.0700	0708.5	025.7		348.6	000.4000	0887.3	120.1	37.95
098.0	000.0700	0712.2	025.8		348.5	000.4000	0887.0	119.6	38.06
099.0	000.0700	0718.4	025.9		348.5	000.4000	0886.7	119.2	38.18
100.0	000.0700	0727.0	026.0		348.5	000.4000	0886.6	118.7	38.31
101.0	000.0700	0734.6	026.2		348.4	000.4000	0886.4	118.2	38.44
102.0	000.0700	0743.0	026.3		348.4	000.4000	0886.2	117.8	38.57
103.0	000.0700	0749.2	026.4		348.4	000.4000	0885.8	117.3	38.69
104.0	000.0700	0755.1	026.5		348.3	000.4000	0885.3	116.8	38.81
105.0	000.0700	0762.3	026.6		348.3	000.4000	0884.9	116.4	38.93
106.0	000.0700	0769.5	026.8		348.2	000.4000	0884.4	115.9	39.05
107.0	000.0700	0777.5	026.9		348.2	000.4000	0883.9	115.4	39.18
108.0	000.0700	0781.5	027.0		348.1	000.4000	0883.0	115.0	39.29
109.0	000.0700	0781.9	027.0		348.0	000.4000	0881.9	114.6	39.39
110.0	000.0700	0776.0	026.9		347.8	000.4000	0880.1	114.2	39.46
111.0	000.0700	0763.1	026.6		347.6	000.4000	0877.5	113.9	39.51
112.0	000.0700	0747.0	026.4		347.3	000.4000	0874.5	113.7	39.54
113.0	000.0700	0729.2	026.1		347.1	000.4000	0871.0	113.5	39.56
114.0	000.0700	0715.1	025.8		346.8	000.4000	0867.7	113.3	39.58
115.0	000.0700	0705.9	025.7		346.6	000.4000	0864.6	113.1	39.62
116.0	000.0700	0701.0	025.6		346.5	000.4000	0861.8	112.8	39.67
117.0	000.0700	0700.9	025.6		346.3	000.4000	0859.5	112.4	39.74
118.0	000.0700	0700.8	025.6		346.2	000.4000	0857.0	112.1	39.81
119.0	000.0700	0700.3	025.6		346.0	000.4000	0854.4	111.8	39.87
120.0	000.0700	0699.2	025.5		345.8	000.4000	0851.6	111.5	39.92
121.0	000.0674	0696.2	025.3		345.6	000.4000	0847.2	111.4	39.91
122.0	000.0648	0691.6	024.9		345.3	000.4000	0842.8	111.3	39.88
123.0	000.0622	0686.4	024.6		345.0	000.4000	0838.6	111.2	39.85
124.0	000.0598	0682.6	024.3		344.7	000.4000	0834.9	111.2	39.83
125.0	000.0573	0686.3	024.1		344.5	000.4000	0832.0	111.1	39.83
126.0	000.0548	0695.5	024.0		344.3	000.4000	0829.5	110.9	39.86
127.0	000.0525	0707.7	024.0		344.1	000.4000	0827.3	110.7	39.89
128.0	000.0502	0721.1	023.9		343.9	000.4000	0825.3	110.5	39.93
129.0	000.0480	0734.4	023.9		343.7	000.4000	0823.2	110.3	39.96
130.0	000.0458	0746.7	023.8		343.5	000.4000	0821.0	110.1	39.98
131.0	000.0440	0755.2	023.6		343.3	000.4000	0818.7	110.0	39.99
132.0	000.0423	0761.0	023.5		343.1	000.4000	0816.2	109.9	39.98
133.0	000.0405	0767.2	023.3		342.9	000.4000	0813.8	109.9	39.98
134.0	000.0389	0773.8	023.2		342.6	000.4000	0811.3	109.8	39.96
135.0	000.0372	0778.5	023.0		342.4	000.4000	0808.8	109.8	39.94
136.0	000.0357	0780.4	022.7		342.2	000.4000	0806.3	109.8	39.91
137.0	000.0341	0781.1	022.5		341.9	000.4000	0803.7	109.9	39.86
138.0	000.0326	0785.6	022.3		341.7	000.4000	0801.0	109.9	39.82
139.0	000.0310	0793.3	022.1		341.5	000.4000	0798.4	109.9	39.79
140.0	000.0296	0801.4	021.9		341.2	000.4000	0795.7	110.0	39.75
141.0	000.0285	0806.5	021.7		341.0	000.4000	0793.2	110.0	39.71
142.0	000.0273	0810.7	021.5		340.8	000.4000	0790.5	110.1	39.66
143.0	000.0263	0818.2	021.4		340.6	000.4000	0788.0	110.1	39.63
144.0	000.0252	0830.5	021.3		340.4	000.4000	0785.6	110.1	39.60
145.0	000.0242	0848.6	021.2		340.2	000.4000	0783.3	110.1	39.59
146.0	000.0232	0869.8	021.2		340.0	000.4000	0781.1	110.0	39.57
147.0	000.0222	0888.9	021.1		339.8	000.4000	0778.7	110.0	39.54
148.0	000.0213	0904.5	020.9		339.6	000.4000	0776.6	110.1	39.51
149.0	000.0203	0917.1	020.8		339.4	000.4000	0774.6	110.2	39.45
150.0	000.0194	0926.9	020.6		339.2	000.4000	0772.8	110.3	39.39
151.0	000.0186	0931.1	020.3		339.0	000.4000	0771.4	110.5	39.33
152.0	000.0179	0928.3	020.1		338.8	000.4000	0770.2	110.7	39.26
153.0	000.0172	0921.1	019.8		338.6	000.4000	0769.4	111.0	39.17
154.0	000.0165	0913.1	019.5		338.4	000.4000	0768.8	111.3	39.09
155.0	000.0159	0906.7	019.2		338.2	000.4000	0768.4	111.5	39.01
156.0	000.0153	0902.1	018.9		338.1	000.4000	0767.9	111.8	38.93

157.0	000.0146	0899.5	018.6		337.9	000.4000	0767.5	112.1	38.85
158.0	000.0140	0899.1	018.3		337.7	000.4000	0767.3	112.3	38.77
159.0	000.0134	0899.6	018.1		337.6	000.4000	0767.0	112.6	38.69
160.0	000.0128	0899.5	017.8		337.4	000.4000	0766.7	112.9	38.61
161.0	000.0123	0899.4	017.5		337.3	000.4000	0766.4	113.2	38.53
162.0	000.0118	0900.1	017.3		337.1	000.4000	0766.1	113.4	38.46
163.0	000.0114	0900.8	017.1		337.0	000.4000	0765.9	113.7	38.39
164.0	000.0110	0900.1	016.9		336.9	000.4000	0765.6	113.9	38.31
165.0	000.0105	0897.8	016.6		336.7	000.4000	0765.2	114.2	38.23
166.0	000.0101	0896.0	016.3		336.6	000.4000	0764.8	114.6	38.14
167.0	000.0097	0895.8	016.1		336.5	000.4000	0764.4	114.9	38.05
168.0	000.0093	0898.0	015.9		336.4	000.4000	0763.9	115.1	37.97
169.0	000.0089	0901.5	015.6		336.3	000.4000	0763.2	115.4	37.88
170.0	000.0085	0904.2	015.4		336.2	000.4000	0762.6	115.7	37.79
171.0	000.0082	0901.2	015.1		336.1	000.4000	0762.0	116.0	37.70
172.0	000.0079	0889.5	014.9		336.0	000.4000	0761.4	116.3	37.60
173.0	000.0076	0868.0	014.5		335.9	000.4000	0760.8	116.8	37.49
174.0	000.0073	0837.6	014.2		335.8	000.4000	0760.3	117.2	37.37
175.0	000.0071	0802.0	013.8		335.8	000.4000	0760.0	117.6	37.24
176.0	000.0068	0767.6	013.4		335.8	000.4000	0759.7	118.1	37.11
177.0	000.0066	0743.5	013.0		335.7	000.4000	0759.3	118.5	37.00
178.0	000.0063	0719.6	012.7		335.7	000.4000	0759.1	118.9	36.88
179.0	000.0060	0696.9	012.3		335.6	000.4000	0758.8	119.3	36.77
180.0	000.0058	0683.5	012.1		335.6	000.4000	0758.5	119.6	36.67
181.0	000.0056	0672.4	011.9		335.6	000.4000	0758.2	119.9	36.60
182.0	000.0054	0661.4	011.7		335.5	000.4000	0757.8	120.1	36.52
183.0	000.0053	0648.0	011.5		335.5	000.4000	0757.6	120.4	36.44
184.0	000.0051	0636.2	011.3		335.4	000.4000	0757.3	120.7	36.37
185.0	000.0050	0631.9	011.1		335.4	000.4000	0756.9	120.9	36.30
186.0	000.0049	0631.8	011.1		335.3	000.4000	0756.5	121.1	36.25
187.0	000.0047	0628.9	010.9		335.3	000.4000	0756.2	121.3	36.18
188.0	000.0046	0621.6	010.8		335.2	000.4000	0756.0	121.5	36.12
189.0	000.0044	0618.0	010.6		335.2	000.4000	0755.7	121.8	36.05
190.0	000.0043	0615.0	010.5		335.2	000.4000	0755.5	122.0	35.99
191.0	000.0042	0607.0	010.4		335.1	000.4000	0755.2	122.2	35.93
192.0	000.0042	0596.3	010.3		335.1	000.4000	0754.9	122.3	35.88
193.0	000.0041	0594.0	010.2		335.0	000.4000	0754.5	122.5	35.83
194.0	000.0041	0606.7	010.3		335.0	000.4000	0754.0	122.6	35.80
195.0	000.0040	0630.5	010.3		334.9	000.4000	0753.4	122.7	35.78
196.0	000.0040	0659.1	010.4		334.8	000.4000	0752.8	122.7	35.76
197.0	000.0039	0685.0	010.5		334.7	000.4000	0752.2	122.8	35.73
198.0	000.0039	0706.1	010.5		334.6	000.4000	0751.7	122.9	35.70
199.0	000.0038	0721.3	010.6		334.6	000.4000	0751.2	123.0	35.66
200.0	000.0038	0734.3	010.5		334.5	000.4000	0750.8	123.1	35.62
201.0	000.0037	0750.5	010.6		334.4	000.4000	0750.4	123.2	35.58
202.0	000.0037	0768.7	010.6		334.4	000.4000	0750.0	123.3	35.55
203.0	000.0036	0783.2	010.6		334.3	000.4000	0749.7	123.5	35.50
204.0	000.0036	0793.0	010.6		334.3	000.4000	0749.4	123.6	35.46
205.0	000.0036	0799.0	010.6		334.2	000.4000	0749.2	123.8	35.41
206.0	000.0035	0803.4	010.5		334.2	000.4000	0749.0	124.0	35.37
207.0	000.0035	0806.0	010.5		334.1	000.4000	0748.8	124.1	35.32
208.0	000.0034	0805.4	010.4		334.1	000.4000	0748.6	124.3	35.26
209.0	000.0034	0801.1	010.4		334.1	000.4000	0748.5	124.5	35.21
210.0	000.0034	0798.1	010.3		334.0	000.4000	0748.3	124.7	35.16
211.0	000.0034	0799.1	010.3		334.0	000.4000	0748.0	124.8	35.12
212.0	000.0034	0806.0	010.4		333.9	000.4000	0747.7	124.9	35.08
213.0	000.0034	0816.3	010.4		333.9	000.4000	0747.3	125.1	35.04
214.0	000.0034	0826.6	010.5		333.8	000.4000	0746.9	125.2	35.00
215.0	000.0034	0834.3	010.5		333.8	000.4000	0746.7	125.3	34.95
216.0	000.0034	0837.7	010.5		333.7	000.4000	0746.5	125.5	34.91

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09-12-2021 Terrain Data: NGDC 30 SEC FMOver Analysis

KNYR BLED19951012KB

KUSF.C

Channel = 217C2
Max ERP = 0.4 kW
RCAMSL = 1817 m
N. Lat. 41 36 35.50
W. Lng. 122 37 30.00
Protected
60 dBu

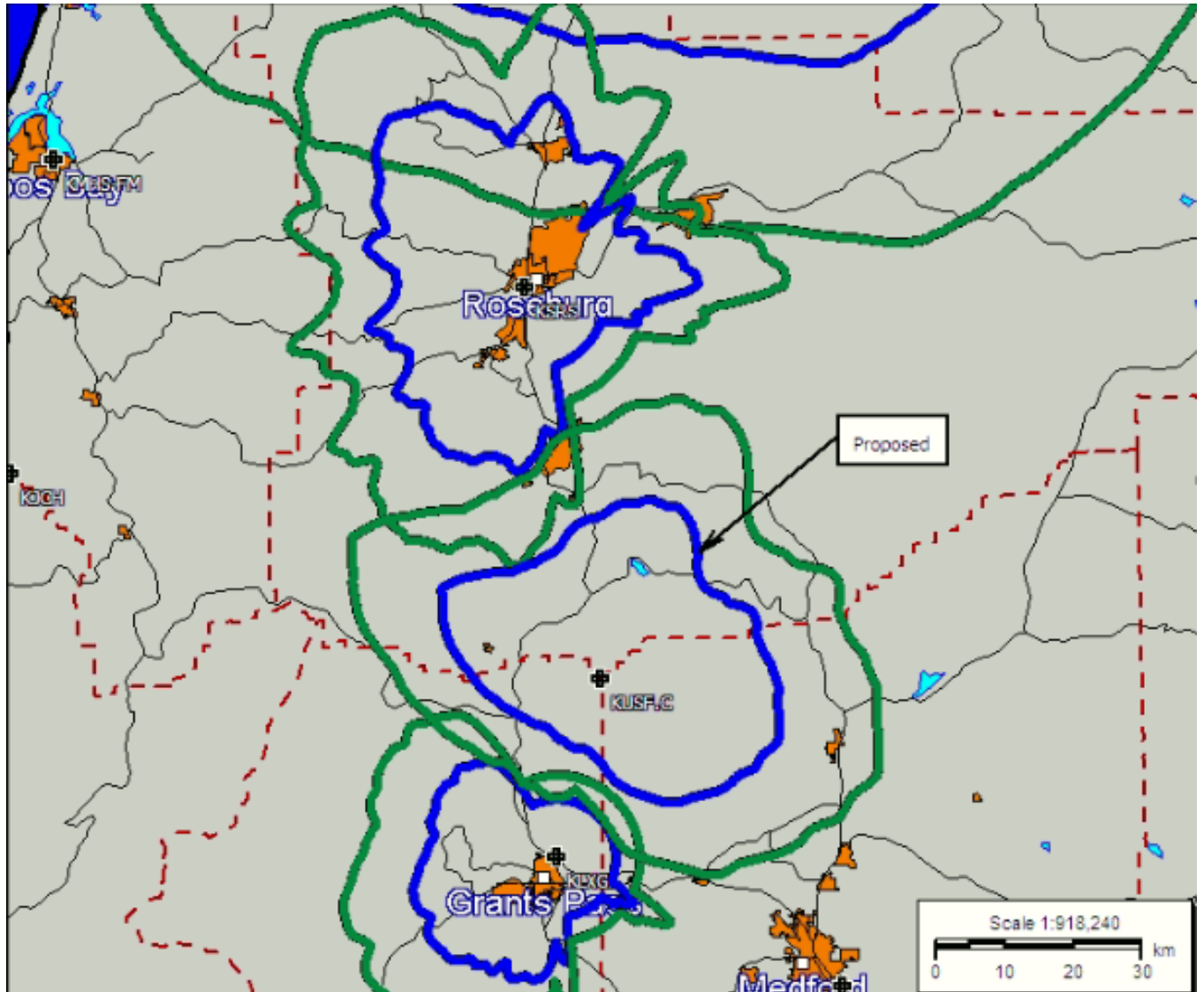
Channel = 217A
Max ERP = 0.07 kW
RCAMSL = 1571 m
N. Lat. 42 41 48.00
W. Lng. 123 13 43.00
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual IX (dBu)	IX (km)
278.0	000.4000	0716.6	040.0	174.8	000.0071	0810.2	115.9	20.81	
279.0	000.4000	0709.4	039.8	174.6	000.0072	0817.1	115.2	21.08	
280.0	000.4000	0700.5	039.5	174.4	000.0072	0825.1	114.6	21.37	
281.0	000.4000	0691.6	039.2	174.1	000.0073	0832.9	114.0	21.65	
282.0	000.4000	0683.6	039.0	173.9	000.0074	0840.2	113.5	21.92	
283.0	000.4000	0675.8	038.7	173.7	000.0074	0847.5	112.9	22.18	
284.0	000.4000	0664.5	038.4	173.4	000.0075	0856.2	112.4	22.46	
285.0	000.4000	0651.7	038.0	173.1	000.0076	0865.3	111.9	22.73	
286.0	000.4000	0639.1	037.6	172.8	000.0077	0873.7	111.4	23.00	
287.0	000.4000	0624.0	037.1	172.4	000.0078	0881.8	111.0	23.26	
288.0	000.4000	0605.4	036.5	172.0	000.0079	0889.4	110.7	23.50	
289.0	000.4000	0582.6	035.8	171.5	000.0081	0896.1	110.5	23.71	
290.0	000.4000	0559.3	035.0	171.0	000.0082	0901.1	110.3	23.89	
291.0	000.4000	0541.4	034.3	170.5	000.0084	0903.5	110.1	24.04	
292.0	000.4000	0527.8	033.7	170.1	000.0085	0904.3	109.9	24.17	
293.0	000.4000	0516.7	033.3	169.8	000.0086	0904.0	109.6	24.31	
294.0	000.4000	0508.1	032.9	169.5	000.0087	0903.1	109.3	24.44	
295.0	000.4000	0502.7	032.7	169.2	000.0088	0902.2	109.0	24.59	
296.0	000.4000	0497.2	032.5	168.9	000.0090	0901.2	108.6	24.73	
297.0	000.4000	0489.0	032.2	168.6	000.0091	0900.0	108.4	24.85	
298.0	000.4000	0476.4	031.7	168.2	000.0092	0898.7	108.3	24.95	
299.0	000.4000	0461.8	031.1	167.8	000.0094	0897.4	108.2	25.03	
300.0	000.4000	0448.0	030.6	167.4	000.0095	0896.4	108.1	25.10	
301.0	000.4000	0437.1	030.2	167.1	000.0097	0895.9	108.0	25.19	
302.0	000.4000	0427.5	029.9	166.8	000.0098	0895.6	107.9	25.29	
303.0	000.4000	0421.1	029.7	166.5	000.0099	0895.7	107.7	25.40	
304.0	000.4000	0415.5	029.5	166.2	000.0100	0895.9	107.4	25.51	
305.0	000.4000	0408.0	029.2	165.9	000.0101	0896.2	107.3	25.62	
306.0	000.4000	0401.1	029.0	165.6	000.0103	0896.6	107.1	25.72	
307.0	000.4000	0398.7	028.9	165.4	000.0104	0897.0	106.9	25.84	
308.0	000.4000	0401.9	029.0	165.2	000.0104	0897.4	106.5	26.00	
309.0	000.4000	0408.6	029.2	165.1	000.0105	0897.7	106.0	26.17	
310.0	000.4000	0416.8	029.5	164.9	000.0106	0898.0	105.5	26.36	
311.0	000.4000	0428.4	029.9	164.8	000.0106	0898.2	104.8	26.56	
312.0	000.4000	0443.8	030.5	164.7	000.0107	0898.4	104.1	26.81	
313.0	000.4000	0460.3	031.1	164.7	000.0107	0898.6	103.3	27.06	
314.0	000.4000	0474.2	031.6	164.6	000.0107	0898.9	102.6	27.31	
315.0	000.4000	0481.4	031.9	164.4	000.0108	0899.4	102.1	27.50	
316.0	000.4000	0481.9	031.9	164.1	000.0109	0899.9	101.8	27.65	
317.0	000.4000	0481.6	031.9	163.8	000.0111	0900.4	101.5	27.78	
318.0	000.4000	0485.1	032.0	163.6	000.0112	0900.7	101.1	27.94	
319.0	000.4000	0494.6	032.4	163.4	000.0113	0900.8	100.6	28.15	

320.0	000.4000	0511.3	033.1		163.2	000.0113	0900.8	099.7	28.43
321.0	000.4000	0535.1	034.0		163.2	000.0114	0900.8	098.6	28.80
322.0	000.4000	0562.3	035.1		163.1	000.0114	0900.8	097.4	29.18
323.0	000.4000	0586.9	035.9		162.9	000.0115	0900.7	096.4	29.50
324.0	000.4000	0607.0	036.5		162.7	000.0116	0900.6	095.6	29.78
325.0	000.4000	0626.8	037.2		162.4	000.0117	0900.3	094.8	30.06
326.0	000.4000	0648.2	037.8		162.2	000.0118	0900.2	094.0	30.35
327.0	000.4000	0672.2	038.6		161.9	000.0119	0900.0	093.0	30.67
328.0	000.4000	0694.6	039.3		161.6	000.0120	0899.8	092.2	30.98
329.0	000.4000	0710.6	039.8		161.2	000.0122	0899.4	091.6	31.23
330.0	000.4000	0721.6	040.1		160.9	000.0124	0899.3	091.1	31.43
331.0	000.4000	0729.6	040.4		160.4	000.0125	0899.4	090.7	31.61
332.0	000.4000	0736.9	040.6		160.0	000.0127	0899.5	090.4	31.78
333.0	000.4000	0742.7	040.8		159.6	000.0130	0899.7	090.1	31.95
334.0	000.4000	0748.0	040.9		159.2	000.0133	0899.7	089.9	32.12
335.0	000.4000	0754.2	041.1		158.7	000.0135	0899.4	089.6	32.27
336.0	000.4000	0761.5	041.3		158.3	000.0138	0899.2	089.4	32.44
337.0	000.4000	0765.9	041.4		157.8	000.0141	0899.0	089.2	32.57
338.0	000.4000	0767.7	041.5		157.3	000.0144	0899.1	089.2	32.68
339.0	000.4000	0771.4	041.6		156.9	000.0147	0899.8	089.1	32.81
340.0	000.4000	0781.0	041.9		156.4	000.0150	0900.8	088.8	32.98
341.0	000.4000	0792.9	042.2		155.9	000.0153	0902.5	088.6	33.18
342.0	000.4000	0804.6	042.5		155.4	000.0157	0904.6	088.3	33.37
343.0	000.4000	0815.3	042.8		154.9	000.0160	0907.3	088.1	33.54
344.0	000.4000	0826.1	043.1		154.4	000.0163	0910.4	087.9	33.71
345.0	000.4000	0838.5	043.4		153.9	000.0166	0914.1	087.7	33.89
346.0	000.4000	0854.5	043.8		153.3	000.0170	0918.4	087.5	34.10
347.0	000.4000	0870.1	044.2		152.8	000.0174	0922.8	087.3	34.29
348.0	000.4000	0882.2	044.5		152.2	000.0178	0926.8	087.2	34.45
349.0	000.4000	0890.6	044.7		151.7	000.0181	0929.7	087.2	34.55
350.0	000.4000	0896.7	044.8		151.2	000.0185	0931.0	087.4	34.62
351.0	000.4000	0902.2	045.0		150.7	000.0189	0930.6	087.5	34.66
352.0	000.4000	0908.4	045.1		150.2	000.0192	0928.1	087.6	34.68
353.0	000.4000	0916.5	045.3		149.7	000.0197	0923.9	087.8	34.70
354.0	000.4000	0923.3	045.4		149.1	000.0201	0918.7	088.0	34.69
355.0	000.4000	0927.9	045.5		148.7	000.0206	0912.7	088.2	34.66
356.0	000.4000	0930.2	045.6		148.2	000.0211	0906.8	088.5	34.61
357.0	000.4000	0930.5	045.6		147.7	000.0215	0900.4	088.9	34.52
358.0	000.4000	0926.9	045.5		147.3	000.0219	0893.9	089.4	34.39
359.0	000.4000	0923.1	045.4		146.9	000.0223	0887.1	089.8	34.26
000.0	000.4000	0916.0	045.3		146.5	000.0227	0880.3	090.4	34.09
001.0	000.4000	0906.5	045.1		146.2	000.0230	0873.6	091.0	33.90
002.0	000.4000	0896.9	044.8		145.9	000.0234	0866.6	091.6	33.69
003.0	000.4000	0889.8	044.7		145.5	000.0237	0859.5	092.2	33.49
004.0	000.4000	0887.9	044.6		145.2	000.0241	0851.8	092.7	33.31
005.0	000.4000	0891.4	044.7		144.7	000.0244	0843.6	093.2	33.16
006.0	000.4000	0898.2	044.9		144.3	000.0249	0835.5	093.5	33.02
007.0	000.4000	0904.5	045.0		143.9	000.0253	0829.2	094.0	32.89
008.0	000.4000	0910.8	045.2		143.5	000.0257	0823.7	094.4	32.76
009.0	000.4000	0915.5	045.3		143.1	000.0262	0819.6	094.9	32.63
010.0	000.4000	0918.5	045.3		142.8	000.0265	0815.9	095.4	32.49
011.0	000.4000	0921.2	045.4		142.4	000.0269	0813.3	096.0	32.35
012.0	000.4000	0924.7	045.4		142.1	000.0273	0811.1	096.5	32.22
013.0	000.4000	0927.2	045.5		141.8	000.0276	0809.6	097.1	32.08
014.0	000.4000	0928.7	045.5		141.4	000.0280	0808.4	097.7	31.94
015.0	000.4000	0929.6	045.5		141.2	000.0283	0807.2	098.3	31.79
016.0	000.4000	0929.2	045.5		140.9	000.0286	0806.0	099.0	31.63
017.0	000.4000	0928.2	045.5		140.6	000.0289	0804.8	099.6	31.45
018.0	000.4000	0927.2	045.5		140.4	000.0291	0803.7	100.3	31.28
019.0	000.4000	0926.5	045.5		140.2	000.0294	0802.4	101.0	31.10
020.0	000.4000	0926.0	045.5		139.9	000.0297	0801.0	101.7	30.92

021.0	000.4000	0925.8	045.5		139.7	000.0300	0799.4	102.4	30.74
022.0	000.4000	0926.2	045.5		139.5	000.0303	0797.8	103.0	30.56
023.0	000.4000	0927.3	045.5		139.3	000.0306	0795.9	103.7	30.38
024.0	000.4000	0929.2	045.5		139.1	000.0309	0793.9	104.4	30.20
025.0	000.4000	0931.3	045.6		138.9	000.0312	0792.3	105.1	30.01
026.0	000.4000	0933.3	045.6		138.7	000.0315	0790.7	105.9	29.83
027.0	000.4000	0935.2	045.7		138.5	000.0318	0789.2	106.6	29.64
028.0	000.4000	0937.3	045.7		138.3	000.0321	0787.8	107.3	29.45
029.0	000.4000	0939.4	045.8		138.2	000.0323	0786.7	108.0	29.27
030.0	000.4000	0941.5	045.8		138.0	000.0326	0785.6	108.8	29.08
031.0	000.4000	0943.5	045.8		137.8	000.0328	0784.5	109.5	28.88
032.0	000.4000	0945.3	045.9		137.7	000.0330	0783.7	110.3	28.69
033.0	000.4000	0946.6	045.9		137.6	000.0332	0783.1	111.0	28.50
034.0	000.4000	0947.1	045.9		137.5	000.0334	0782.7	111.8	28.30
035.0	000.4000	0946.6	045.9		137.4	000.0335	0782.4	112.6	28.10
036.0	000.4000	0945.0	045.9		137.3	000.0336	0782.1	113.4	27.90
037.0	000.4000	0943.3	045.8		137.3	000.0337	0781.9	114.2	27.69

First Adjacent Channels: Blue 60 dBu, Green 54 dBu with KSRS*, KLXG*,
KWAX (*=see FMOver Reports Below)



09-12-2021 Terrain Data: NGDC 30 SEC FMOver Analysis

KUSF.C

KSRS BLED19910103KA

Channel = 217A
Max ERP = 0.07 kW
RCMSL = 1571 m
N. Lat. 42 41 48.00
W. Lng. 123 13 43.00
Protected
60 dBu

Channel = 218A
Max ERP = 2 kW
RCMSL = 358 m
N. Lat. 43 12 21.40
W. Lng. 123 21 52.20
Interfering
54 dBu

Azimuth	ERP	HAAT	Dist	Azimuth	ERP	HAAT	Dist	Actual	IX
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(degrees)	(kW)	(m)	(km)		(degrees)	(kW)	(m)	(km)	(dBu)	(km)
----- -----										
289.0	000.0327	0928.6	023.9		193.3	002.0000	0130.9	050.2	48.64	
290.0	000.0341	0927.9	024.2		193.6	002.0000	0131.4	049.8	48.84	
291.0	000.0356	0924.1	024.4		193.8	002.0000	0132.2	049.3	49.06	
292.0	000.0371	0916.9	024.6		193.9	002.0000	0132.9	048.9	49.27	
293.0	000.0385	0908.8	024.8		194.0	002.0000	0133.4	048.4	49.48	
294.0	000.0401	0904.3	025.0		194.2	002.0000	0134.4	047.9	49.71	
295.0	000.0417	0902.9	025.3		194.4	002.0000	0135.6	047.5	49.96	
296.0	000.0434	0901.6	025.5		194.6	002.0000	0136.8	047.0	50.22	
297.0	000.0450	0899.7	025.7		194.8	002.0000	0138.0	046.5	50.47	
298.0	000.0466	0900.5	026.0		194.9	002.0000	0139.1	046.0	50.73	
299.0	000.0483	0903.3	026.3		195.2	002.0000	0140.6	045.5	51.02	
300.0	000.0501	0905.4	026.6		195.4	002.0000	0141.8	045.0	51.30	
301.0	000.0481	0905.8	026.3		194.9	002.0000	0138.6	044.6	51.28	
302.0	000.0460	0905.8	026.0		194.3	002.0000	0135.0	044.3	51.24	
303.0	000.0441	0908.4	025.7		193.8	002.0000	0132.4	043.9	51.24	
304.0	000.0422	0913.9	025.5		193.3	002.0000	0130.9	043.6	51.31	
305.0	000.0403	0917.8	025.2		192.8	002.0000	0131.2	043.3	51.45	
306.0	000.0385	0918.0	024.9		192.2	002.0000	0131.4	043.0	51.59	
307.0	000.0367	0914.1	024.5		191.5	002.0000	0130.2	042.7	51.63	
308.0	000.0350	0910.7	024.2		190.8	002.0000	0127.9	042.5	51.60	
309.0	000.0332	0907.4	023.8		190.1	002.0000	0126.4	042.3	51.59	
310.0	000.0316	0904.4	023.5		189.4	002.0000	0127.2	042.1	51.72	
311.0	000.0304	0902.0	023.2		188.8	002.0000	0128.1	041.9	51.85	
312.0	000.0291	0898.3	022.9		188.1	002.0000	0130.5	041.8	52.06	
313.0	000.0280	0893.9	022.6		187.5	002.0000	0132.9	041.6	52.26	
314.0	000.0267	0889.0	022.2		186.8	002.0000	0132.6	041.5	52.30	
315.0	000.0256	0886.3	021.9		186.2	002.0000	0132.2	041.4	52.33	
316.0	000.0245	0885.9	021.7		185.5	002.0000	0135.6	041.2	52.57	
317.0	000.0234	0886.6	021.4		184.9	002.0000	0140.7	041.2	52.90	
318.0	000.0223	0885.9	021.1		184.2	002.0000	0144.6	041.1	53.14	
319.0	000.0213	0879.9	020.7		183.5	002.0000	0148.1	041.1	53.34	
320.0	000.0203	0871.6	020.4		182.8	002.0000	0149.9	041.1	53.42	
321.0	000.0199	0868.9	020.2		182.3	002.0000	0151.1	041.0	53.55	
322.0	000.0194	0874.2	020.1		181.8	002.0000	0152.2	040.8	53.68	
323.0	000.0191	0881.9	020.1		181.4	002.0000	0153.6	040.6	53.84	
324.0	000.0187	0887.5	020.0		181.0	002.0000	0152.9	040.4	53.88	
325.0	000.0184	0892.2	019.9		180.5	002.0000	0149.2	040.3	53.74	
326.0	000.0179	0898.9	019.8		180.0	002.0000	0145.4	040.2	53.60	
327.0	000.0176	0907.5	019.8		179.6	002.0000	0141.8	040.0	53.47	
328.0	000.0172	0915.3	019.7		179.1	002.0000	0138.1	039.9	53.32	
329.0	000.0168	0917.7	019.6		178.6	002.0000	0134.0	039.8	53.11	
330.0	000.0165	0914.7	019.4		178.0	002.0000	0130.1	039.8	52.91	
331.0	000.0166	0911.1	019.5		177.6	002.0000	0128.8	039.6	52.91	
332.0	000.0167	0912.6	019.5		177.2	002.0000	0127.4	039.4	52.92	
333.0	000.0169	0916.0	019.6		176.8	002.0000	0125.6	039.2	52.91	
334.0	000.0170	0915.7	019.7		176.4	002.0000	0123.3	039.0	52.86	
335.0	000.0172	0912.3	019.7		175.9	002.0000	0120.5	038.9	52.76	
336.0	000.0172	0908.3	019.7		175.5	002.0000	0116.8	038.8	52.57	
337.0	000.0174	0904.5	019.7		175.0	002.0000	0113.2	038.6	52.38	
338.0	000.0175	0903.1	019.7		174.5	002.0000	0109.4	038.5	52.17	
339.0	000.0176	0902.8	019.8		174.0	002.0000	0105.5	038.4	51.92	
340.0	000.0178	0896.7	019.8		173.5	002.0000	0100.8	038.3	51.57	
341.0	000.0186	0882.1	019.9		173.1	002.0000	0096.3	038.1	51.28	
342.0	000.0194	0867.9	020.0		172.6	002.0000	0092.1	037.9	50.97	
343.0	000.0203	0865.6	020.3		172.1	002.0000	0088.8	037.6	50.79	
344.0	000.0211	0879.5	020.7		171.7	002.0000	0087.5	037.1	50.85	
345.0	000.0220	0894.9	021.1		171.2	002.0000	0087.8	036.7	51.06	
346.0	000.0228	0903.6	021.4		170.7	002.0000	0088.7	036.4	51.30	
347.0	000.0237	0910.9	021.7		170.1	002.0000	0090.6	036.0	51.64	

348.0	000.0247	0919.1	022.0		169.5	002.0000	0093.3	035.7	52.05
349.0	000.0256	0923.3	022.3		168.9	002.0000	0095.1	035.4	52.35
350.0	000.0266	0924.0	022.5		168.3	002.0000	0095.4	035.2	52.49
351.0	000.0277	0916.0	022.7		167.6	002.0000	0095.8	035.0	52.60
352.0	000.0289	0905.2	022.9		166.9	002.0000	0095.9	034.9	52.67
353.0	000.0300	0896.0	023.0		166.2	002.0000	0095.3	034.7	52.66
354.0	000.0312	0886.0	023.2		165.6	002.0000	0093.5	034.7	52.53
355.0	000.0325	0874.3	023.3		164.9	002.0000	0088.2	034.6	52.04
356.0	000.0337	0856.5	023.3		164.2	002.0000	0080.3	034.7	51.19
357.0	000.0350	0839.6	023.4		163.5	002.0000	0070.6	034.7	50.07
358.0	000.0363	0824.2	023.4		162.9	002.0000	0059.9	034.8	48.77
359.0	000.0376	0822.1	023.6		162.1	002.0000	0050.7	034.7	47.43
000.0	000.0390	0820.9	023.8		161.4	002.0000	0044.3	034.6	46.32
001.0	000.0406	0820.6	024.1		160.6	002.0000	0039.4	034.5	45.42
002.0	000.0423	0825.2	024.4		159.7	002.0000	0033.5	034.4	44.23
003.0	000.0440	0830.7	024.7		158.9	002.0000	0023.6	034.3	43.52
004.0	000.0457	0837.6	025.0		158.0	002.0000	0011.0	034.1	43.56
005.0	000.0475	0838.9	025.3		157.1	002.0000	0000.6	034.1	43.58
006.0	000.0494	0841.6	025.6		156.2	002.0000	-0007.5	034.1	43.59
007.0	000.0512	0835.2	025.7		155.4	002.0000	-0012.3	034.2	43.55
008.0	000.0531	0825.4	025.8		154.7	002.0000	-0016.2	034.3	43.50
009.0	000.0549	0815.2	025.9		154.0	002.0000	-0020.3	034.5	43.42
010.0	000.0570	0803.0	026.0		153.4	002.0000	-0025.0	034.7	43.34
011.0	000.0581	0798.4	026.0		152.7	002.0000	-0030.5	035.0	43.26
012.0	000.0594	0806.0	026.3		151.9	002.0000	-0037.7	035.0	43.23
013.0	000.0607	0816.9	026.6		151.0	002.0000	-0044.9	035.1	43.20
014.0	000.0619	0824.0	026.8		150.1	002.0000	-0049.2	035.3	43.15
015.0	000.0630	0826.6	027.0		149.4	002.0000	-0051.5	035.5	43.08
016.0	000.0644	0823.2	027.1		148.8	002.0000	-0052.2	035.7	42.98
017.0	000.0657	0811.5	027.0		148.3	002.0000	-0052.2	036.1	42.84
018.0	000.0670	0797.4	026.9		148.0	002.0000	-0051.9	036.6	42.69
019.0	000.0682	0785.4	026.9		147.6	002.0000	-0050.8	037.0	42.55
020.0	000.0696	0776.4	026.8		147.2	002.0000	-0049.1	037.3	42.42
021.0	000.0696	0772.8	026.8		146.8	002.0000	-0047.4	037.8	42.28
022.0	000.0697	0778.2	026.9		146.3	002.0000	-0045.2	038.1	42.17
023.0	000.0697	0790.1	027.1		145.6	002.0000	-0043.0	038.4	42.07
024.0	000.0697	0798.8	027.2		145.1	002.0000	-0042.0	038.7	41.97
025.0	000.0697	0797.6	027.2		144.8	002.0000	-0041.8	039.1	41.83
026.0	000.0699	0788.3	027.1		144.6	002.0000	-0041.6	039.6	41.67
027.0	000.0699	0773.8	026.8		144.6	002.0000	-0041.6	040.1	41.50
028.0	000.0699	0757.8	026.5		144.6	002.0000	-0041.6	040.7	41.34
029.0	000.0700	0740.6	026.3		144.7	002.0000	-0041.7	041.2	41.17
030.0	000.0700	0722.8	026.0		144.8	002.0000	-0041.8	041.7	41.01
031.0	000.0700	0705.1	025.6		145.0	002.0000	-0041.9	042.3	40.85
032.0	000.0700	0685.5	025.3		145.1	002.0000	-0042.1	042.8	40.69
033.0	000.0700	0661.8	024.9		145.4	002.0000	-0042.6	043.4	40.53
034.0	000.0700	0636.9	024.4		145.8	002.0000	-0043.4	044.0	40.38
035.0	000.0700	0615.3	024.0		146.1	002.0000	-0044.4	044.5	40.23
036.0	000.0700	0596.7	023.6		146.4	002.0000	-0045.4	045.0	40.09
037.0	000.0700	0576.0	023.2		146.7	002.0000	-0046.9	045.6	39.96
038.0	000.0700	0554.0	022.7		147.1	002.0000	-0048.9	046.1	39.82
039.0	000.0700	0531.6	022.1		147.6	002.0000	-0050.8	046.7	39.69
040.0	000.0700	0511.7	021.6		148.1	002.0000	-0052.0	047.2	39.57
041.0	000.0700	0495.8	021.2		148.4	002.0000	-0052.3	047.7	39.46
042.0	000.0700	0483.5	020.9		148.7	002.0000	-0052.3	048.1	39.36
043.0	000.0700	0472.8	020.6		148.8	002.0000	-0052.2	048.5	39.27
044.0	000.0700	0464.5	020.4		149.0	002.0000	-0052.2	048.9	39.18
045.0	000.0700	0459.0	020.2		149.0	002.0000	-0052.2	049.3	39.10
046.0	000.0700	0455.4	020.2		149.0	002.0000	-0052.2	049.7	39.02
047.0	000.0700	0453.0	020.1		149.0	002.0000	-0052.2	050.0	38.94
048.0	000.0700	0451.6	020.1		148.9	002.0000	-0052.2	050.4	38.87

09-12-2021 Terrain Data: NGDC 30 SEC FMOver Analysis

KSRS BLED19910103KA

KUSF.C

Channel = 218A
Max ERP = 2 kW
RCAMSL = 358 m
N. Lat. 43 12 21.40
W. Lng. 123 21 52.20
Protected
60 dBu

Channel = 217A
Max ERP = 0.07 kW
RCAMSL = 1571 m
N. Lat. 42 41 48.00
W. Lng. 123 13 43.00
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual IX (dBu)	IX (km)
109.0	002.0000	0048.3	015.1	003.6	000.0450	0835.7	051.8	48.98	
110.0	002.0000	0042.5	014.1	002.5	000.0431	0827.7	051.8	48.68	
111.0	002.0000	0038.3	013.4	001.6	000.0417	0823.1	051.8	48.49	
112.0	002.0000	0033.7	012.6	000.7	000.0402	0820.1	051.9	48.28	
113.0	002.0000	0027.3	012.0	000.0	000.0390	0820.8	051.9	48.15	
114.0	002.0000	0019.3	012.0	359.9	000.0389	0821.0	051.7	48.21	
115.0	002.0000	0010.7	012.0	359.8	000.0387	0821.1	051.5	48.26	
116.0	002.0000	0003.2	012.0	359.7	000.0386	0821.2	051.4	48.32	
117.0	002.0000	-0003.5	012.0	359.6	000.0385	0821.3	051.2	48.37	
118.0	002.0000	-0010.4	012.0	359.5	000.0383	0821.4	051.0	48.42	
119.0	002.0000	-0017.8	012.0	359.4	000.0382	0821.6	050.8	48.47	
120.0	002.0000	-0024.5	012.0	359.3	000.0380	0821.7	050.6	48.52	
121.0	002.0000	-0028.1	012.0	359.2	000.0378	0821.9	050.4	48.57	
122.0	002.0000	-0028.1	012.0	359.0	000.0377	0822.0	050.3	48.62	
123.0	002.0000	-0027.2	012.0	358.9	000.0375	0822.2	050.1	48.66	
124.0	002.0000	-0028.0	012.0	358.8	000.0373	0822.3	049.9	48.70	
125.0	002.0000	-0035.0	012.0	358.6	000.0371	0822.5	049.7	48.75	
126.0	002.0000	-0047.2	012.0	358.5	000.0369	0822.7	049.6	48.79	
127.0	002.0000	-0061.7	012.0	358.3	000.0367	0822.9	049.4	48.82	
128.0	002.0000	-0074.0	012.0	358.2	000.0365	0823.1	049.2	48.86	
129.0	002.0000	-0082.2	012.0	358.0	000.0363	0824.0	049.1	48.90	
130.0	002.0000	-0086.6	012.0	357.9	000.0361	0826.1	048.9	48.96	
131.0	002.0000	-0087.9	012.0	357.7	000.0359	0828.8	048.8	49.02	
132.0	002.0000	-0086.9	012.0	357.5	000.0357	0831.4	048.6	49.07	
133.0	002.0000	-0083.6	012.0	357.3	000.0354	0834.0	048.5	49.12	
134.0	002.0000	-0080.4	012.0	357.2	000.0352	0836.8	048.3	49.18	
135.0	002.0000	-0075.8	012.0	357.0	000.0350	0839.9	048.2	49.23	
136.0	002.0000	-0068.4	012.0	356.8	000.0347	0843.2	048.1	49.29	
137.0	002.0000	-0058.7	012.0	356.6	000.0345	0846.4	047.9	49.34	
138.0	002.0000	-0049.9	012.0	356.4	000.0342	0849.7	047.8	49.39	
139.0	002.0000	-0044.2	012.0	356.2	000.0340	0853.0	047.7	49.44	
140.0	002.0000	-0040.3	012.0	356.0	000.0337	0856.4	047.5	49.49	
141.0	002.0000	-0037.1	012.0	355.8	000.0335	0859.9	047.4	49.53	
142.0	002.0000	-0035.9	012.0	355.6	000.0332	0863.9	047.3	49.58	
143.0	002.0000	-0037.8	012.0	355.4	000.0329	0868.5	047.2	49.64	
144.0	002.0000	-0040.5	012.0	355.2	000.0327	0872.2	047.1	49.68	
145.0	002.0000	-0041.9	012.0	354.9	000.0324	0875.0	047.0	49.71	
146.0	002.0000	-0044.1	012.0	354.7	000.0321	0877.4	046.9	49.73	
147.0	002.0000	-0048.2	012.0	354.5	000.0318	0880.0	046.8	49.76	
148.0	002.0000	-0052.0	012.0	354.3	000.0316	0882.7	046.7	49.78	
149.0	002.0000	-0052.2	012.0	354.0	000.0313	0885.6	046.6	49.80	

150.0	002.0000	-0049.8	012.0		353.8	000.0310	0888.5	046.5	49.82
151.0	002.0000	-0044.7	012.0		353.6	000.0307	0891.4	046.4	49.84
152.0	002.0000	-0036.6	012.0		353.3	000.0304	0894.0	046.3	49.85
153.0	002.0000	-0028.1	012.0		353.1	000.0301	0895.6	046.3	49.85
154.0	002.0000	-0020.5	012.0		352.8	000.0298	0896.8	046.2	49.85
155.0	002.0000	-0014.6	012.0		352.6	000.0295	0898.5	046.1	49.85
156.0	002.0000	-0009.1	012.0		352.3	000.0292	0901.1	046.1	49.85
157.0	002.0000	-0000.5	012.0		352.1	000.0289	0904.2	046.0	49.86
158.0	002.0000	0011.5	012.0		351.8	000.0286	0907.3	046.0	49.86
159.0	002.0000	0025.6	012.0		351.6	000.0284	0910.3	045.9	49.86
160.0	002.0000	0035.7	012.9		351.5	000.0283	0910.6	045.0	50.23
161.0	002.0000	0042.0	014.0		351.5	000.0283	0911.0	043.9	50.65
162.0	002.0000	0049.5	015.3		351.5	000.0282	0911.4	042.5	51.17
163.0	002.0000	0062.1	017.3		351.5	000.0283	0910.9	040.5	52.01
164.0	002.0000	0077.7	019.4		351.5	000.0282	0911.4	038.4	52.90
165.0	002.0000	0089.5	020.9		351.2	000.0279	0914.1	036.9	53.52
166.0	002.0000	0094.9	021.5		350.7	000.0274	0918.7	036.2	53.77
167.0	002.0000	0096.0	021.6		350.1	000.0267	0923.3	036.1	53.77
168.0	002.0000	0095.6	021.6		349.5	000.0261	0924.4	036.1	53.67
169.0	002.0000	0095.0	021.5		348.9	000.0256	0923.2	036.2	53.54
170.0	002.0000	0091.1	021.0		348.4	000.0250	0921.4	036.6	53.23
171.0	002.0000	0088.1	020.7		347.8	000.0245	0917.7	037.0	52.94
172.0	002.0000	0088.2	020.7		347.3	000.0240	0912.7	037.0	52.79
173.0	002.0000	0095.6	021.6		346.6	000.0233	0908.1	036.2	52.99
174.0	002.0000	0105.1	022.6		345.7	000.0226	0901.3	035.2	53.22
175.0	002.0000	0113.3	023.4		344.9	000.0218	0893.3	034.5	53.33
176.0	002.0000	0121.0	024.1		344.0	000.0211	0878.8	033.9	53.30
177.0	002.0000	0126.5	024.5		343.1	000.0203	0866.4	033.6	53.18
178.0	002.0000	0130.0	024.8		342.3	000.0196	0865.7	033.4	53.09
179.0	002.0000	0137.3	025.4		341.2	000.0188	0878.0	033.0	53.21
180.0	002.0000	0145.2	026.0		340.2	000.0179	0894.9	032.6	53.37
181.0	002.0000	0153.1	026.6		339.0	000.0176	0902.8	032.1	53.57
182.0	002.0000	0151.8	026.5		338.3	000.0175	0903.1	032.4	53.43
183.0	002.0000	0149.4	026.3		337.7	000.0175	0903.1	032.8	53.24
184.0	002.0000	0145.7	026.0		337.2	000.0174	0903.7	033.2	53.01
185.0	002.0000	0139.8	025.6		336.9	000.0173	0904.8	033.9	52.72
186.0	002.0000	0132.6	025.0		336.7	000.0173	0905.5	034.6	52.40
187.0	002.0000	0132.9	025.0		336.1	000.0172	0908.0	034.8	52.31
188.0	002.0000	0131.1	024.9		335.6	000.0172	0909.8	035.1	52.16
189.0	002.0000	0127.7	024.6		335.2	000.0172	0911.3	035.6	51.96
190.0	002.0000	0126.5	024.5		334.8	000.0171	0913.2	035.9	51.82
191.0	002.0000	0128.6	024.7		334.1	000.0170	0915.5	036.0	51.77
192.0	002.0000	0131.2	024.9		333.3	000.0169	0916.3	036.1	51.71
193.0	002.0000	0131.0	024.9		332.8	000.0168	0915.6	036.4	51.55
194.0	002.0000	0133.2	025.1		332.1	000.0168	0913.0	036.6	51.43
195.0	002.0000	0139.5	025.6		331.1	000.0166	0911.1	036.5	51.41
196.0	002.0000	0145.4	026.0		330.0	000.0165	0914.5	036.5	51.41
197.0	002.0000	0146.7	026.1		329.4	000.0167	0917.0	036.8	51.37
198.0	002.0000	0145.6	026.0		329.1	000.0168	0917.7	037.2	51.23
199.0	002.0000	0144.3	025.9		328.7	000.0169	0917.7	037.6	51.08
200.0	002.0000	0144.4	025.9		328.3	000.0171	0916.5	037.9	50.97
201.0	002.0000	0145.3	026.0		327.8	000.0173	0914.0	038.2	50.86
202.0	002.0000	0146.0	026.1		327.3	000.0175	0910.5	038.6	50.72
203.0	002.0000	0147.3	026.2		326.8	000.0176	0906.0	038.9	50.59
204.0	002.0000	0150.4	026.4		326.2	000.0179	0900.4	039.1	50.48
205.0	002.0000	0152.5	026.6		325.6	000.0181	0896.0	039.5	50.36
206.0	002.0000	0150.0	026.4		325.5	000.0181	0895.4	040.0	50.16
207.0	002.0000	0146.2	026.1		325.6	000.0181	0895.8	040.5	49.93
208.0	002.0000	0145.0	026.0		325.4	000.0182	0894.4	040.9	49.75
209.0	002.0000	0144.4	025.9		325.2	000.0183	0893.0	041.4	49.58
210.0	002.0000	0143.6	025.9		325.0	000.0184	0892.1	041.8	49.41

211.0	002.0000	0142.8	025.8		324.8	000.0184	0891.2	042.2	49.24
212.0	002.0000	0139.6	025.6		324.9	000.0184	0891.6	042.8	49.04
213.0	002.0000	0133.5	025.1		325.3	000.0182	0893.5	043.3	48.78
214.0	002.0000	0129.0	024.7		325.5	000.0181	0895.0	043.9	48.56
215.0	002.0000	0127.3	024.6		325.4	000.0182	0894.7	044.3	48.39
216.0	002.0000	0125.7	024.5		325.4	000.0182	0894.5	044.8	48.21
217.0	002.0000	0121.9	024.2		325.6	000.0181	0896.0	045.3	48.02
218.0	002.0000	0115.9	023.6		326.0	000.0179	0899.2	045.8	47.79
219.0	002.0000	0108.4	022.9		326.7	000.0177	0905.0	046.4	47.56
220.0	002.0000	0102.0	022.3		327.3	000.0174	0910.6	047.0	47.35
221.0	002.0000	0100.0	022.1		327.5	000.0174	0911.5	047.4	47.18
222.0	002.0000	0102.4	022.3		327.0	000.0176	0907.8	047.7	47.08
223.0	002.0000	0108.0	022.9		326.3	000.0178	0901.3	048.0	46.99
224.0	002.0000	0112.8	023.4		325.6	000.0181	0896.1	048.3	46.90
225.0	002.0000	0114.6	023.5		325.3	000.0182	0893.9	048.7	46.78
226.0	002.0000	0114.1	023.5		325.3	000.0182	0893.8	049.1	46.63
227.0	002.0000	0113.8	023.5		325.3	000.0182	0893.5	049.5	46.48
228.0	002.0000	0115.7	023.6		325.0	000.0183	0892.2	049.9	46.36
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09-12-2021 Terrain Data: NGDC 30 SEC FMOver Analysis

KUSF.C

KLXG BLED20020402AAE

Channel = 217A
Max ERP = 0.07 kW
RCAMSL = 1571 m
N. Lat. 42 41 48.00
W. Lng. 123 13 43.00
Protected
60 dBu

Channel = 216A
Max ERP = 0.5 kW
RCAMSL = 508 m
N. Lat. 42 27 50.40
W. Lng. 123 18 23.20
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual IX (dBu)	IX (km)
----- -----										
134.0	000.0389	0773.8	023.2		067.0	000.5000	-0186.2	025.0	42.13	
135.0	000.0372	0778.5	023.0		066.9	000.5000	-0186.2	024.6	42.43	
136.0	000.0357	0780.4	022.7		066.8	000.5000	-0186.0	024.1	42.75	
137.0	000.0341	0781.1	022.5		066.5	000.5000	-0185.6	023.7	43.07	
138.0	000.0326	0785.6	022.3		066.3	000.5000	-0185.4	023.2	43.38	
139.0	000.0310	0793.3	022.1		066.2	000.5000	-0185.0	022.8	43.69	
140.0	000.0296	0801.4	021.9		066.0	000.5000	-0184.2	022.4	44.00	
141.0	000.0285	0806.5	021.7		065.9	000.5000	-0183.7	022.0	44.31	
142.0	000.0273	0810.7	021.5		065.6	000.5000	-0182.6	021.6	44.62	
143.0	000.0263	0818.2	021.4		065.4	000.5000	-0181.8	021.2	44.93	
144.0	000.0252	0830.5	021.3		065.3	000.5000	-0181.2	020.8	45.23	
145.0	000.0242	0848.6	021.2		065.4	000.5000	-0181.4	020.4	45.52	
146.0	000.0232	0869.8	021.2		065.4	000.5000	-0181.7	020.0	45.82	
147.0	000.0222	0888.9	021.1		065.3	000.5000	-0181.0	019.6	46.12	
148.0	000.0213	0904.5	020.9		065.1	000.5000	-0179.6	019.3	46.43	
149.0	000.0203	0917.1	020.8		064.6	000.5000	-0176.7	018.9	46.74	
150.0	000.0194	0926.9	020.6		064.1	000.5000	-0172.3	018.5	47.04	
151.0	000.0186	0931.1	020.3		063.5	000.5000	-0166.2	018.1	47.35	
152.0	000.0179	0928.3	020.1		062.7	000.5000	-0155.7	017.8	47.65	
153.0	000.0172	0921.1	019.8		061.7	000.5000	-0141.9	017.4	47.94	
154.0	000.0165	0913.1	019.5		060.6	000.5000	-0127.7	017.1	48.21	
155.0	000.0159	0906.7	019.2		059.6	000.5000	-0116.4	016.8	48.48	

156.0	000.0153	0902.1	018.9		058.5	000.5000	-0106.1	016.5	48.73
157.0	000.0146	0899.5	018.6		057.3	000.5000	-0098.2	016.2	48.97
158.0	000.0140	0899.1	018.3		056.1	000.5000	-0093.1	015.9	49.19
159.0	000.0134	0899.6	018.1		054.9	000.5000	-0090.0	015.7	49.41
160.0	000.0128	0899.5	017.8		053.6	000.5000	-0089.5	015.5	49.60
161.0	000.0123	0899.4	017.5		052.4	000.5000	-0089.5	015.2	49.80
162.0	000.0118	0900.1	017.3		051.2	000.5000	-0091.4	015.0	49.98
163.0	000.0114	0900.8	017.1		050.1	000.5000	-0094.5	014.8	50.19
164.0	000.0110	0900.1	016.9		048.7	000.5000	-0099.0	014.7	50.39
165.0	000.0105	0897.8	016.6		047.3	000.5000	-0105.1	014.5	50.56
166.0	000.0101	0896.0	016.3		045.8	000.5000	-0114.3	014.4	50.70
167.0	000.0097	0895.8	016.1		044.4	000.5000	-0127.7	014.3	50.83
168.0	000.0093	0898.0	015.9		043.0	000.5000	-0143.7	014.2	50.97
169.0	000.0089	0901.5	015.6		041.5	000.5000	-0162.7	014.1	51.06
170.0	000.0085	0904.2	015.4		040.0	000.5000	-0184.3	014.0	51.13
171.0	000.0082	0901.2	015.1		038.7	000.5000	-0208.7	014.0	51.20
172.0	000.0079	0889.5	014.9		037.1	000.5000	-0237.8	014.0	51.21
173.0	000.0076	0868.0	014.5		035.4	000.5000	-0271.5	014.1	51.11
174.0	000.0073	0837.6	014.2		033.7	000.5000	-0306.2	014.2	50.98
175.0	000.0071	0802.0	013.8		031.9	000.5000	-0346.9	014.3	50.79
176.0	000.0068	0767.6	013.4		030.2	000.5000	-0386.6	014.5	50.58
177.0	000.0066	0743.5	013.0		028.8	000.5000	-0411.4	014.7	50.39
178.0	000.0063	0719.6	012.7		027.3	000.5000	-0415.0	014.9	50.16
179.0	000.0060	0696.9	012.3		026.0	000.5000	-0401.9	015.0	49.97
180.0	000.0058	0683.5	012.1		024.8	000.5000	-0389.5	015.2	49.84
181.0	000.0056	0672.4	011.9		023.8	000.5000	-0382.2	015.3	49.76
182.0	000.0054	0661.4	011.7		022.8	000.5000	-0377.9	015.4	49.67
183.0	000.0053	0648.0	011.5		021.8	000.5000	-0374.0	015.5	49.56
184.0	000.0051	0636.2	011.3		020.9	000.5000	-0369.1	015.6	49.45
185.0	000.0050	0631.9	011.1		020.1	000.5000	-0363.4	015.7	49.38
186.0	000.0049	0631.8	011.1		019.3	000.5000	-0357.1	015.8	49.35
187.0	000.0047	0628.9	010.9		018.5	000.5000	-0348.7	015.9	49.27
188.0	000.0046	0621.6	010.8		017.8	000.5000	-0340.2	016.0	49.16
189.0	000.0044	0618.0	010.6		017.0	000.5000	-0334.7	016.1	49.07
190.0	000.0043	0615.0	010.5		016.3	000.5000	-0332.9	016.2	48.98
191.0	000.0042	0607.0	010.4		015.6	000.5000	-0332.6	016.3	48.90
192.0	000.0042	0596.3	010.3		015.0	000.5000	-0330.3	016.4	48.83
193.0	000.0041	0594.0	010.2		014.3	000.5000	-0322.5	016.4	48.78
194.0	000.0041	0606.7	010.3		013.7	000.5000	-0307.6	016.4	48.82
195.0	000.0040	0630.5	010.3		013.1	000.5000	-0289.0	016.3	48.87
196.0	000.0040	0659.1	010.4		012.4	000.5000	-0270.0	016.2	48.94
197.0	000.0039	0685.0	010.5		011.8	000.5000	-0250.2	016.2	49.00
198.0	000.0039	0706.1	010.5		011.1	000.5000	-0233.1	016.2	49.01
199.0	000.0038	0721.3	010.6		010.5	000.5000	-0219.9	016.1	49.02
200.0	000.0038	0734.3	010.5		009.8	000.5000	-0210.3	016.2	48.98
201.0	000.0037	0750.5	010.6		009.2	000.5000	-0205.0	016.2	48.97
202.0	000.0037	0768.7	010.6		008.5	000.5000	-0206.6	016.2	48.97
203.0	000.0036	0783.2	010.6		007.9	000.5000	-0209.2	016.3	48.91
204.0	000.0036	0793.0	010.6		007.3	000.5000	-0207.7	016.3	48.86
205.0	000.0036	0799.0	010.6		006.7	000.5000	-0203.8	016.4	48.80
206.0	000.0035	0803.4	010.5		006.1	000.5000	-0196.2	016.5	48.73
207.0	000.0035	0806.0	010.5		005.5	000.5000	-0187.3	016.6	48.65
208.0	000.0034	0805.4	010.4		005.0	000.5000	-0177.5	016.7	48.54
209.0	000.0034	0801.1	010.4		004.5	000.5000	-0166.0	016.8	48.44
210.0	000.0034	0798.1	010.3		004.1	000.5000	-0154.9	017.0	48.34
211.0	000.0034	0799.1	010.3		003.5	000.5000	-0142.4	017.0	48.27
212.0	000.0034	0806.0	010.4		002.9	000.5000	-0130.7	017.1	48.24
213.0	000.0034	0816.3	010.4		002.3	000.5000	-0123.1	017.1	48.19
214.0	000.0034	0826.6	010.5		001.7	000.5000	-0119.1	017.2	48.16
215.0	000.0034	0834.3	010.5		001.1	000.5000	-0123.2	017.3	48.09
216.0	000.0034	0837.7	010.5		000.6	000.5000	-0127.1	017.3	48.01

217.0	000.0035	0837.7	010.6		000.0	000.5000	-0131.3	017.4	47.94
218.0	000.0035	0833.2	010.6		359.6	000.5000	-0134.6	017.5	47.84
219.0	000.0035	0824.5	010.6		359.1	000.5000	-0138.2	017.7	47.75
220.0	000.0035	0812.4	010.5		358.7	000.5000	-0136.4	017.8	47.63
221.0	000.0035	0803.1	010.5		358.3	000.5000	-0135.1	017.9	47.51
222.0	000.0035	0799.6	010.5		358.0	000.5000	-0135.6	018.1	47.38
223.0	000.0034	0798.9	010.4		357.7	000.5000	-0135.7	018.3	47.25
224.0	000.0034	0796.2	010.4		357.3	000.5000	-0134.6	018.4	47.14
225.0	000.0034	0791.2	010.4		357.0	000.5000	-0133.2	018.5	47.02
226.0	000.0034	0789.0	010.3		356.7	000.5000	-0132.0	018.7	46.88
227.0	000.0034	0794.9	010.3		356.4	000.5000	-0132.1	018.9	46.76
228.0	000.0034	0811.7	010.4		355.9	000.5000	-0135.9	019.0	46.67
229.0	000.0034	0833.1	010.4		355.4	000.5000	-0141.8	019.1	46.59
230.0	000.0034	0852.0	010.5		355.1	000.5000	-0146.6	019.2	46.47
231.0	000.0035	0867.9	010.7		354.3	000.5000	-0156.6	019.3	46.44
232.0	000.0036	0881.8	010.9		353.5	000.5000	-0165.5	019.3	46.40
233.0	000.0037	0892.1	011.0		352.8	000.5000	-0174.5	019.4	46.32
234.0	000.0038	0896.3	011.2		352.1	000.5000	-0181.8	019.5	46.25
235.0	000.0040	0893.6	011.3		351.5	000.5000	-0186.5	019.6	46.17
236.0	000.0041	0887.8	011.4		350.9	000.5000	-0188.3	019.7	46.07
237.0	000.0042	0882.9	011.6		350.3	000.5000	-0188.8	019.8	45.97
238.0	000.0043	0879.3	011.7		349.8	000.5000	-0189.4	020.0	45.85
239.0	000.0045	0874.1	011.8		349.2	000.5000	-0190.3	020.1	45.74
240.0	000.0046	0866.8	011.9		348.7	000.5000	-0191.4	020.3	45.61
241.0	000.0048	0861.0	012.1		348.2	000.5000	-0191.7	020.4	45.49
242.0	000.0049	0861.4	012.2		347.7	000.5000	-0193.1	020.6	45.35
243.0	000.0050	0868.1	012.3		347.2	000.5000	-0195.5	020.8	45.22
244.0	000.0051	0879.4	012.5		346.6	000.5000	-0198.0	021.0	45.09
245.0	000.0053	0892.5	012.7		345.9	000.5000	-0201.0	021.1	44.95
246.0	000.0054	0905.7	012.9		345.4	000.5000	-0202.7	021.3	44.81
247.0	000.0055	0916.0	013.0		344.9	000.5000	-0202.5	021.5	44.65
248.0	000.0057	0923.3	013.2		344.4	000.5000	-0201.0	021.7	44.50
249.0	000.0058	0928.9	013.3		343.9	000.5000	-0197.7	021.9	44.34
250.0	000.0060	0934.3	013.5		343.5	000.5000	-0194.2	022.2	44.17
251.0	000.0063	0938.0	013.8		342.7	000.5000	-0186.3	022.4	44.00
252.0	000.0065	0940.6	014.0		342.1	000.5000	-0178.6	022.6	43.83
253.0	000.0068	0938.6	014.2		341.6	000.5000	-0170.0	022.9	43.64

09-12-2021 Terrain Data: NGDC 30 SEC FM0ver Analysis

KLXG BLED20020402AAE

KUSF.C

Channel = 216A
 Max ERP = 0.5 kW
 RCAMSL = 508 m
 N. Lat. 42 27 50.40
 W. Lng. 123 18 23.20
 Protected
 60 dBu

Channel = 217A
 Max ERP = 0.07 kW
 RCAMSL = 1571 m
 N. Lat. 42 41 48.00
 W. Lng. 123 13 43.00
 Interfering
 54 dBu

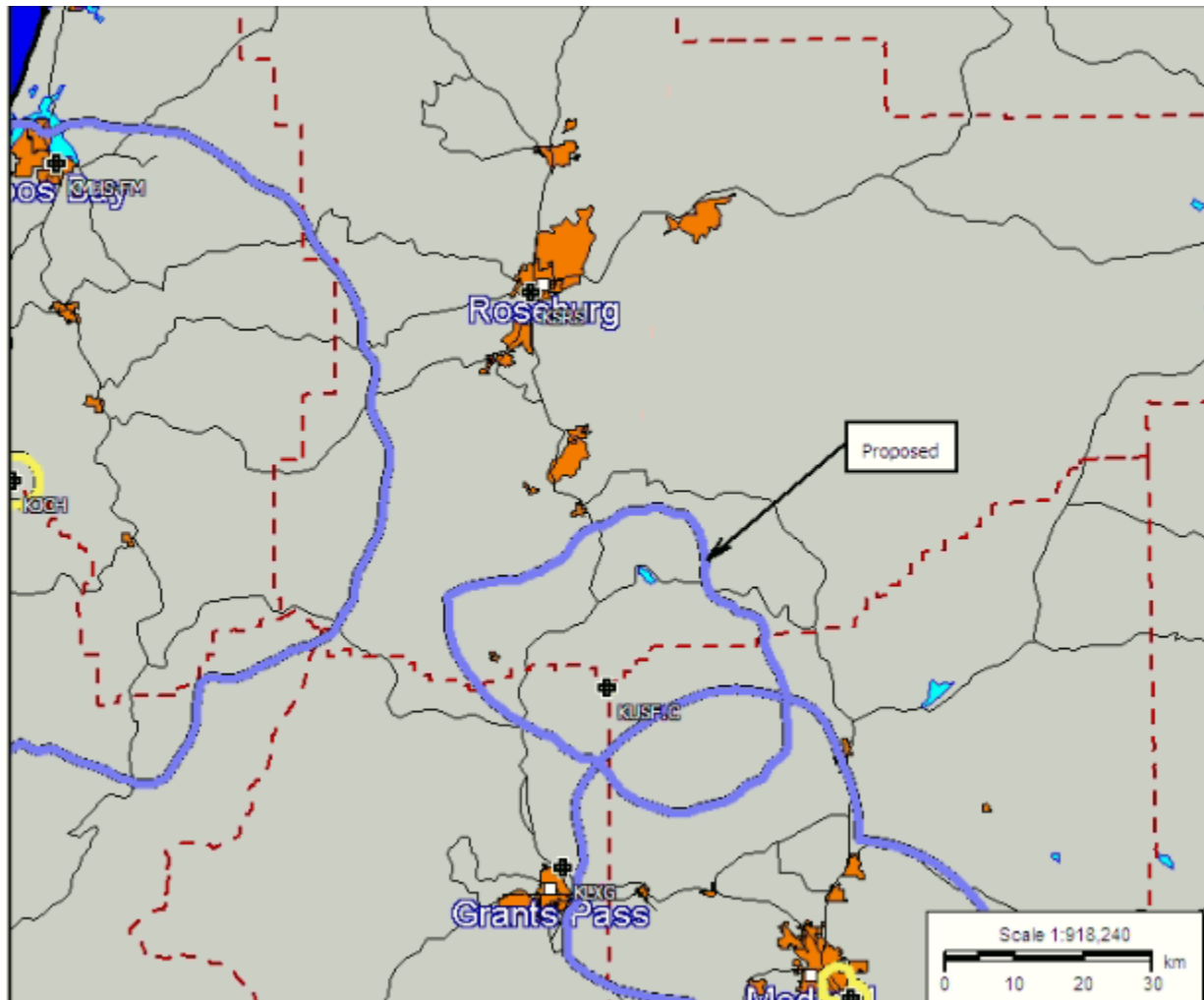
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual IX (dBu)	IX (km)
314.0	000.5000	0148.0	019.0		237.8	000.0043	0880.2	023.7	51.91	
315.0	000.5000	0143.6	018.7		237.2	000.0043	0882.1	023.3	52.11	
316.0	000.5000	0140.2	018.5		236.8	000.0042	0883.4	022.9	52.30	
317.0	000.5000	0138.5	018.4		236.7	000.0042	0884.1	022.6	52.50	

318.0	000.5000	0137.9	018.3		236.7	000.0042	0884.0	022.3	52.71
319.0	000.5000	0136.4	018.2		236.5	000.0042	0884.8	022.0	52.91
320.0	000.5000	0133.1	018.0		236.0	000.0041	0887.6	021.6	53.07
321.0	000.5000	0129.3	017.7		235.4	000.0040	0891.8	021.3	53.22
322.0	000.5000	0126.9	017.5		234.9	000.0040	0893.9	021.0	53.38
323.0	000.5000	0125.1	017.4		234.6	000.0039	0895.1	020.7	53.55
324.0	000.5000	0122.9	017.2		234.2	000.0039	0896.2	020.4	53.69
325.0	000.5000	0119.7	017.0		233.5	000.0038	0895.1	020.1	53.78
326.0	000.5000	0115.8	016.7		232.6	000.0037	0889.0	019.8	53.81
327.0	000.5000	0111.4	016.3		231.5	000.0035	0875.2	019.5	53.75
328.0	000.5000	0105.5	015.8		229.9	000.0034	0850.5	019.3	53.50
329.0	000.5000	0097.4	015.1		227.7	000.0034	0805.1	019.2	53.31
330.0	000.5000	0087.7	014.3		225.1	000.0034	0790.7	019.1	53.32
331.0	000.5000	0077.1	013.4		222.3	000.0035	0798.9	019.1	53.39
332.0	000.5000	0065.9	012.5		219.5	000.0035	0818.2	019.2	53.51
333.0	000.5000	0053.2	011.4		216.2	000.0035	0838.1	019.5	53.39
334.0	000.5000	0036.6	009.4		211.0	000.0034	0799.0	020.4	52.43
335.0	000.5000	0015.7	008.5		208.8	000.0034	0802.0	020.7	52.25
336.0	000.5000	-0007.8	008.5		208.5	000.0034	0803.3	020.6	52.36
337.0	000.5000	-0035.2	008.5		208.3	000.0034	0804.4	020.5	52.45
338.0	000.5000	-0065.3	008.5		208.0	000.0034	0805.4	020.4	52.55
339.0	000.5000	-0095.7	008.5		207.7	000.0035	0806.0	020.3	52.65
340.0	000.5000	-0127.3	008.5		207.4	000.0035	0806.3	020.1	52.75
341.0	000.5000	-0155.9	008.5		207.2	000.0035	0806.3	020.0	52.85
342.0	000.5000	-0176.4	008.5		206.9	000.0035	0805.7	019.9	52.94
343.0	000.5000	-0189.3	008.5		206.6	000.0035	0805.1	019.8	53.02
344.0	000.5000	-0198.8	008.5		206.2	000.0035	0804.2	019.7	53.09
345.0	000.5000	-0202.6	008.5		205.9	000.0035	0803.0	019.6	53.16
346.0	000.5000	-0200.7	008.5		205.6	000.0036	0801.6	019.5	53.23
347.0	000.5000	-0196.4	008.5		205.2	000.0036	0800.1	019.4	53.30
348.0	000.5000	-0192.2	008.5		204.9	000.0036	0798.5	019.3	53.36
349.0	000.5000	-0190.9	008.5		204.5	000.0036	0796.6	019.3	53.42
350.0	000.5000	-0189.1	008.5		204.2	000.0036	0794.3	019.2	53.48
351.0	000.5000	-0188.1	008.5		203.8	000.0036	0791.6	019.1	53.53
352.0	000.5000	-0183.0	008.5		203.4	000.0036	0788.2	019.0	53.57
353.0	000.5000	-0172.6	008.5		203.0	000.0036	0783.7	018.9	53.60
354.0	000.5000	-0159.4	008.5		202.7	000.0037	0778.8	018.9	53.64
355.0	000.5000	-0147.8	008.5		202.3	000.0037	0772.8	018.8	53.67
356.0	000.5000	-0135.1	008.5		201.8	000.0037	0766.1	018.7	53.68
357.0	000.5000	-0133.3	008.5		201.4	000.0037	0758.3	018.7	53.68
358.0	000.5000	-0135.6	008.5		201.0	000.0037	0750.8	018.6	53.67
359.0	000.5000	-0138.5	008.5		200.6	000.0037	0743.4	018.5	53.66
000.0	000.5000	-0131.4	008.5		200.2	000.0038	0736.6	018.5	53.65
001.0	000.5000	-0124.0	008.5		199.7	000.0038	0730.5	018.4	53.65
002.0	000.5000	-0120.1	008.5		199.3	000.0038	0725.0	018.4	53.66
003.0	000.5000	-0132.7	008.5		198.8	000.0038	0719.3	018.4	53.66
004.0	000.5000	-0153.6	008.5		198.4	000.0039	0712.8	018.3	53.64
005.0	000.5000	-0176.5	008.5		197.9	000.0039	0705.2	018.3	53.60
006.0	000.5000	-0194.8	008.5		197.5	000.0039	0696.3	018.3	53.56
007.0	000.5000	-0206.3	008.5		197.0	000.0039	0685.8	018.2	53.50
008.0	000.5000	-0208.9	008.5		196.6	000.0039	0674.3	018.2	53.40
009.0	000.5000	-0204.8	008.5		196.1	000.0040	0662.2	018.2	53.28
010.0	000.5000	-0212.7	008.5		195.6	000.0040	0648.9	018.2	53.16
011.0	000.5000	-0230.6	008.5		195.2	000.0040	0635.4	018.2	53.02
012.0	000.5000	-0256.9	008.5		194.7	000.0041	0622.9	018.1	52.88
013.0	000.5000	-0286.3	008.5		194.2	000.0041	0611.8	018.1	52.76
014.0	000.5000	-0315.0	008.5		193.8	000.0041	0602.6	018.1	52.65
015.0	000.5000	-0330.4	008.5		193.3	000.0041	0596.3	018.1	52.56
016.0	000.5000	-0332.8	008.5		192.8	000.0041	0593.4	018.1	52.54
017.0	000.5000	-0334.6	008.5		192.4	000.0042	0594.0	018.2	52.57
018.0	000.5000	-0342.6	008.5		191.9	000.0042	0597.2	018.2	52.64

019.0	000.5000	-0353.9	008.5		191.4	000.0042	0602.0	018.2	52.72
020.0	000.5000	-0362.8	008.5		191.0	000.0042	0607.2	018.2	52.80
021.0	000.5000	-0369.5	008.5		190.5	000.0043	0611.6	018.2	52.88
022.0	000.5000	-0374.8	008.5		190.1	000.0043	0614.6	018.3	52.93
023.0	000.5000	-0378.8	008.5		189.6	000.0044	0616.6	018.3	53.00
024.0	000.5000	-0383.4	008.5		189.2	000.0044	0617.7	018.3	53.05
025.0	000.5000	-0391.5	008.5		188.7	000.0045	0618.5	018.4	53.09
026.0	000.5000	-0402.4	008.5		188.3	000.0045	0620.1	018.4	53.14
027.0	000.5000	-0413.0	008.5		187.8	000.0046	0622.7	018.5	53.20
028.0	000.5000	-0416.0	008.5		187.4	000.0047	0625.8	018.5	53.27
029.0	000.5000	-0408.8	008.5		187.0	000.0047	0629.1	018.6	53.33
030.0	000.5000	-0392.0	008.5		186.6	000.0048	0630.9	018.6	53.37
031.0	000.5000	-0369.5	008.5		186.1	000.0049	0631.6	018.7	53.39
032.0	000.5000	-0344.9	008.5		185.7	000.0049	0632.0	018.8	53.39
033.0	000.5000	-0320.8	008.5		185.3	000.0050	0632.0	018.8	53.38
034.0	000.5000	-0299.1	008.5		184.9	000.0050	0631.9	018.9	53.37
035.0	000.5000	-0278.7	008.5		184.5	000.0051	0632.5	019.0	53.37
036.0	000.5000	-0259.3	008.5		184.2	000.0051	0634.3	019.0	53.39
037.0	000.5000	-0240.1	008.5		183.8	000.0052	0638.7	019.1	53.44
038.0	000.5000	-0220.7	008.5		183.4	000.0052	0642.9	019.2	53.48
039.0	000.5000	-0202.2	008.5		183.1	000.0053	0647.4	019.3	53.52
040.0	000.5000	-0185.1	008.5		182.7	000.0053	0651.8	019.4	53.56
041.0	000.5000	-0170.0	008.5		182.4	000.0054	0656.7	019.5	53.60
042.0	000.5000	-0156.7	008.5		182.0	000.0054	0661.1	019.6	53.63
043.0	000.5000	-0143.8	008.5		181.7	000.0055	0664.8	019.7	53.65
044.0	000.5000	-0131.5	008.5		181.4	000.0055	0668.4	019.8	53.66
045.0	000.5000	-0121.1	008.5		181.1	000.0056	0671.8	019.9	53.67
046.0	000.5000	-0112.9	008.5		180.8	000.0056	0675.2	020.0	53.67
047.0	000.5000	-0106.5	008.5		180.5	000.0057	0678.4	020.1	53.67
048.0	000.5000	-0101.9	008.5		180.2	000.0057	0681.6	020.2	53.66
049.0	000.5000	-0098.1	008.5		179.9	000.0058	0684.6	020.3	53.66
050.0	000.5000	-0094.7	008.5		179.6	000.0059	0687.6	020.4	53.67
051.0	000.5000	-0091.9	008.5		179.4	000.0059	0690.5	020.5	53.66
052.0	000.5000	-0090.2	008.5		179.1	000.0060	0694.5	020.6	53.67
053.0	000.5000	-0089.3	008.5		178.9	000.0060	0699.7	020.8	53.69
054.0	000.5000	-0089.6	008.5		178.6	000.0061	0704.8	020.9	53.71
055.0	000.5000	-0090.0	008.5		178.4	000.0062	0710.2	021.0	53.72
056.0	000.5000	-0092.7	008.5		178.2	000.0062	0715.3	021.1	53.73
057.0	000.5000	-0096.6	008.5		178.0	000.0063	0720.1	021.3	53.73
058.0	000.5000	-0102.6	008.5		177.8	000.0063	0724.8	021.4	53.73
059.0	000.5000	-0110.8	008.5		177.6	000.0064	0729.4	021.5	53.73
060.0	000.5000	-0120.8	008.5		177.4	000.0064	0733.9	021.6	53.72
061.0	000.5000	-0132.4	008.5		177.2	000.0065	0738.1	021.8	53.71
062.0	000.5000	-0146.0	008.5		177.1	000.0065	0742.2	021.9	53.70
063.0	000.5000	-0159.5	008.5		176.9	000.0066	0746.1	022.0	53.67
064.0	000.5000	-0171.2	008.5		176.7	000.0066	0750.0	022.2	53.65
065.0	000.5000	-0179.2	008.5		176.6	000.0067	0753.6	022.3	53.61
066.0	000.5000	-0184.3	008.5		176.5	000.0067	0756.7	022.5	53.57
067.0	000.5000	-0186.2	008.5		176.3	000.0067	0759.6	022.6	53.53
068.0	000.5000	-0184.2	008.5		176.2	000.0068	0762.3	022.7	53.48
069.0	000.5000	-0177.2	008.5		176.1	000.0068	0765.0	022.9	53.43
070.0	000.5000	-0166.1	008.5		176.0	000.0068	0767.8	023.0	53.38
071.0	000.5000	-0153.6	008.5		175.9	000.0068	0770.5	023.2	53.33
072.0	000.5000	-0141.0	008.5		175.8	000.0069	0773.2	023.3	53.28
073.0	000.5000	-0131.3	008.5		175.7	000.0069	0775.9	023.5	53.22

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Second Adjacent Channels: Blue 60 dBu, Yellow 100 dbu: KDOV, KJCH:



NON-IONIZING ELECTROMAGNETIC RADIATION ANALYSIS

The ERP for the proposed will be 70 watts. The antenna will be colocated on a tower at a mountain tower site used for television broadcasting.

The OER program FM Model for Windows Vers 2.1 Beta was used to determine the maximum predicted RF exposure. The settings used were:

Antenna:	Shively 6810
Horizontal ERP (W):	70
Vertical ERP (W):	70

Antenna Height (M): 10
Elements: 2
Spacing: 1

Using these settings, the maximum predicted RF exposure for a human standing on the ground would be $9.6 \mu\text{W}/\text{cm}^2$ at 5.2 m. This represents less than 5% of the FCC Maximum Permissible Exposure (MPE) of $200 \mu\text{W}/\text{cm}^2$ for uncontrolled environments. 47 CFR 1.307(b)(3) exempts applicants from preparing an Environmental Assessment when the predicted exposure levels would be less than 5% of the FCC limits.

Tower is closed to the public in a remote area. The site has all necessary RF exposure hazards to tower climbers posted. If and when climbing the tower is necessary, transmitter power will be reduced or operation will cease, as necessary. This will be in cooperation with the other emitters on the tower so as not to exceed the MPE for the climbers.