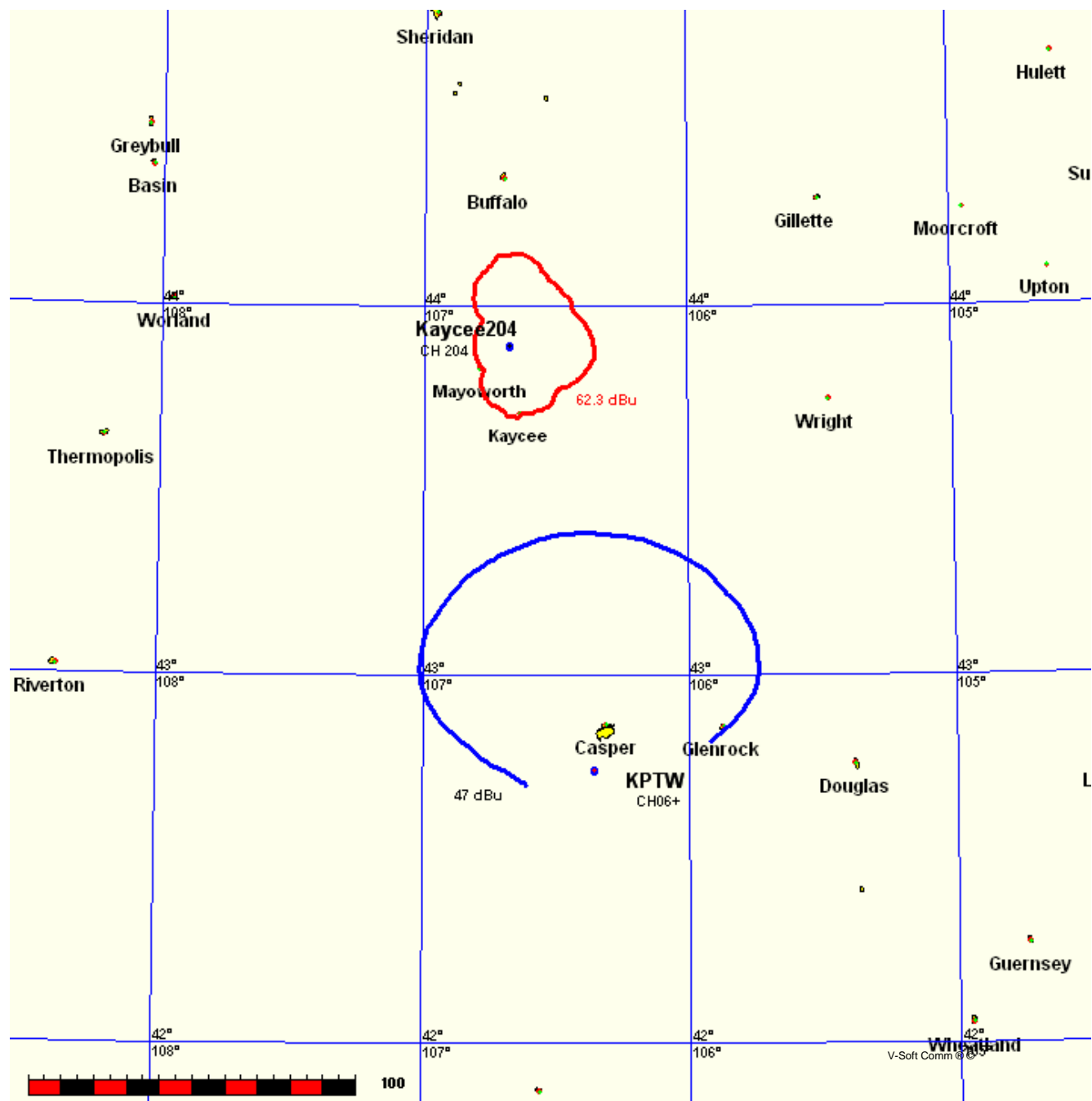


Wyoming Public Radio
Kaycee 204 v KPTW

FMCommander Single Allocation Study
10-06-2007

Kaycee204 CH 204 A
2.05 kW 1653 M COR
Intef. = 62.3 dBu

KPTW CH 06+ 2E BPET19960624KT
0.331 kW, 2501 M COR DA
Prot. = 47 dBu



10-06-2007 USGS 03 SEC Terrain Data

KPTW BPET19960624KT
Channel = 06+2E
Max ERP = 0.331 kW
RCAMSL = 2501 M
N. Lat. 42 44 26.0
W. Lng. 106 21 34.0
Protected
47 dBu

Kaycee204
Channel = 204A
Max ERP = 2.05 kW
RCAMSL = 1653 M
N. Lat. 43 53 41.4
W. Lng. 106 40 48.3
Interfering
62.3 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
289.0	000.0723	0677.4	050.9	191.3	002.0500	0087.5	113.8	28.70
290.0	000.0795	0685.6	052.1	191.8	002.0500	0087.2	112.8	28.87
291.0	000.0866	0694.9	053.3	192.3	002.0500	0087.1	111.7	29.07
292.0	000.0940	0706.5	054.4	192.9	002.0500	0086.8	110.6	29.27
293.0	000.1017	0716.3	055.5	193.3	002.0500	0086.7	109.5	29.47
294.0	000.1097	0723.8	056.5	193.8	002.0500	0086.6	108.3	29.69
295.0	000.1180	0731.1	057.4	194.1	002.0500	0086.7	107.2	29.91
296.0	000.1266	0739.9	058.4	194.6	002.0500	0086.7	106.0	30.15
297.0	000.1355	0746.6	059.3	194.9	002.0500	0086.7	104.8	30.39
298.0	000.1447	0750.4	060.0	195.2	002.0500	0086.7	103.6	30.63
299.0	000.1542	0751.1	060.7	195.4	002.0500	0086.7	102.5	30.88
300.0	000.1640	0754.9	061.4	195.7	002.0500	0086.7	101.3	31.13
301.0	000.1699	0757.7	061.9	195.8	002.0500	0086.7	100.1	31.38
302.0	000.1759	0765.2	062.5	195.9	002.0500	0086.7	098.9	31.65
303.0	000.1820	0772.2	063.0	196.0	002.0500	0086.6	097.7	31.92
304.0	000.1882	0777.4	063.5	196.1	002.0500	0086.6	096.5	32.20
305.0	000.1945	0782.2	064.0	196.2	002.0500	0086.5	095.3	32.49
306.0	000.2009	0787.5	064.5	196.3	002.0500	0086.5	094.1	32.78
307.0	000.2074	0794.1	065.0	196.3	002.0500	0086.5	092.8	33.09
308.0	000.2140	0800.4	065.5	196.4	002.0500	0086.4	091.6	33.41
309.0	000.2207	0805.5	066.0	196.4	002.0500	0086.4	090.3	33.73
310.0	000.2275	0808.5	066.4	196.3	002.0500	0086.5	089.1	34.05
311.0	000.2314	0810.5	066.7	196.1	002.0500	0086.6	087.9	34.36
312.0	000.2353	0808.4	066.8	195.9	002.0500	0086.7	086.8	34.66
313.0	000.2393	0805.2	066.9	195.6	002.0500	0086.7	085.8	34.95
314.0	000.2433	0803.8	067.0	195.3	002.0500	0086.8	084.7	35.25
315.0	000.2474	0805.2	067.2	195.0	002.0500	0086.7	083.5	35.55
316.0	000.2515	0808.6	067.5	194.8	002.0500	0086.7	082.4	35.86
317.0	000.2556	0812.4	067.8	194.5	002.0500	0086.7	081.2	36.18
318.0	000.2597	0816.6	068.1	194.2	002.0500	0086.7	080.1	36.49
319.0	000.2639	0820.5	068.4	193.9	002.0500	0086.6	079.0	36.80
320.0	000.2681	0823.3	068.6	193.5	002.0500	0086.7	077.8	37.10
321.0	000.2706	0826.5	068.8	193.1	002.0500	0086.7	076.8	37.40
322.0	000.2730	0829.8	069.0	192.7	002.0500	0086.9	075.7	37.70
323.0	000.2755	0833.2	069.2	192.2	002.0500	0087.1	074.7	38.00

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
324.0	000.2780	0836.5	069.4	191.7	002.0500	0087.2	073.6	38.29
325.0	000.2805	0839.6	069.6	191.1	002.0500	0087.7	072.6	38.60
326.0	000.2830	0842.2	069.7	190.5	002.0500	0088.3	071.6	38.91
327.0	000.2855	0844.3	069.9	189.9	002.0500	0088.9	070.7	39.22
328.0	000.2880	0845.8	070.0	189.3	002.0500	0089.6	069.8	39.52
329.0	000.2905	0846.7	070.1	188.5	002.0500	0090.9	068.9	39.85
330.0	000.2931	0847.7	070.3	187.8	002.0500	0091.8	068.0	40.16
331.0	000.2948	0848.8	070.3	187.0	002.0500	0092.5	067.2	40.44
332.0	000.2966	0850.1	070.4	186.2	002.0500	0093.3	066.4	40.72
333.0	000.2984	0850.8	070.5	185.4	002.0500	0095.1	065.7	41.05
334.0	000.3001	0850.9	070.6	184.5	002.0500	0097.5	065.0	41.41
335.0	000.3019	0850.6	070.7	183.5	002.0500	0099.8	064.3	41.75
336.0	000.3037	0850.3	070.7	182.6	002.0500	0102.9	063.7	42.14
337.0	000.3054	0850.3	070.8	181.6	002.0500	0106.5	063.1	42.55
338.0	000.3072	0850.0	070.8	180.6	002.0500	0109.4	062.6	42.90
339.0	000.3090	0850.2	070.9	179.6	002.0500	0110.4	062.1	43.13
340.0	000.3108	0850.8	071.0	178.5	002.0500	0110.8	061.6	43.32
341.0	000.3120	0851.6	071.0	177.4	002.0500	0111.1	061.1	43.49
342.0	000.3131	0852.6	071.1	176.3	002.0500	0111.7	060.7	43.67
343.0	000.3143	0853.8	071.2	175.2	002.0500	0113.0	060.4	43.87
344.0	000.3154	0855.2	071.2	174.0	002.0500	0114.7	060.1	44.08
345.0	000.3166	0857.2	071.3	172.9	002.0500	0115.7	059.8	44.24
346.0	000.3178	0859.2	071.4	171.7	002.0500	0114.6	059.6	44.27
347.0	000.3189	0860.7	071.5	170.5	002.0500	0112.2	059.4	44.19
348.0	000.3201	0862.5	071.6	169.3	002.0500	0107.8	059.2	43.97
349.0	000.3213	0864.3	071.7	168.1	002.0500	0105.2	059.1	43.84
350.0	000.3224	0865.3	071.8	166.9	002.0500	0105.5	059.1	43.87
351.0	000.3233	0865.9	071.8	165.7	002.0500	0107.3	059.2	43.96
352.0	000.3242	0865.3	071.8	164.5	002.0500	0109.3	059.3	44.04
353.0	000.3250	0862.4	071.8	163.3	002.0500	0111.3	059.5	44.07
354.0	000.3259	0860.9	071.8	162.1	002.0500	0112.4	059.8	44.05
355.0	000.3267	0860.2	071.8	160.9	002.0500	0112.4	060.1	43.96
356.0	000.3276	0858.2	071.7	159.8	002.0500	0112.8	060.4	43.85
357.0	000.3284	0855.6	071.7	158.6	002.0500	0113.4	060.8	43.74
358.0	000.3293	0853.0	071.7	157.5	002.0500	0111.6	061.3	43.48
359.0	000.3301	0850.8	071.6	156.5	002.0500	0110.8	061.7	43.26
000.0	000.3310	0848.3	071.6	155.4	002.0500	0112.6	062.3	43.19
001.0	000.3301	0845.7	071.5	154.4	002.0500	0114.3	062.9	43.07
002.0	000.3293	0843.3	071.4	153.5	002.0500	0115.6	063.6	42.93
003.0	000.3284	0841.2	071.3	152.5	002.0500	0116.2	064.3	42.74
004.0	000.3276	0840.7	071.3	151.6	002.0500	0116.4	064.9	42.53
005.0	000.3267	0841.1	071.3	150.7	002.0500	0117.0	065.6	42.34
006.0	000.3259	0843.4	071.3	149.8	002.0500	0116.7	066.3	42.11
007.0	000.3250	0847.0	071.4	148.9	002.0500	0115.8	067.0	41.84
008.0	000.3242	0849.1	071.4	148.0	002.0500	0116.1	067.8	41.62
009.0	000.3233	0850.6	071.4	147.2	002.0500	0118.0	068.6	41.47
010.0	000.3224	0851.3	071.4	146.5	002.0500	0119.0	069.4	41.26
011.0	000.3213	0850.5	071.3	145.8	002.0500	0118.7	070.4	40.96
012.0	000.3201	0850.0	071.3	145.1	002.0500	0118.1	071.3	40.65
013.0	000.3189	0849.5	071.2	144.5	002.0500	0117.5	072.2	40.33
014.0	000.3178	0848.2	071.1	143.9	002.0500	0116.1	073.2	39.96

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
015.0	000.3166	0846.4	071.1	143.3	002.0500	0113.9	074.3	39.54
016.0	000.3154	0844.3	071.0	142.8	002.0500	0112.2	075.3	39.15
017.0	000.3143	0840.2	070.8	142.3	002.0500	0112.1	076.4	38.83
018.0	000.3131	0836.2	070.7	141.9	002.0500	0111.7	077.5	38.49
019.0	000.3120	0832.9	070.5	141.5	002.0500	0110.9	078.6	38.13
020.0	000.3108	0830.4	070.4	141.1	002.0500	0110.7	079.7	37.80
021.0	000.3090	0829.4	070.3	140.7	002.0500	0110.6	080.8	37.48
022.0	000.3072	0828.6	070.2	140.3	002.0500	0110.3	081.9	37.15
023.0	000.3054	0827.7	070.1	139.9	002.0500	0109.5	083.0	36.80
024.0	000.3037	0826.0	070.0	139.6	002.0500	0108.5	084.2	36.42
025.0	000.3019	0824.0	069.9	139.4	002.0500	0107.3	085.3	36.05
026.0	000.3001	0821.8	069.8	139.1	002.0500	0106.3	086.5	35.67
027.0	000.2984	0819.8	069.7	138.9	002.0500	0105.5	087.7	35.31
028.0	000.2966	0817.8	069.5	138.6	002.0500	0105.0	088.9	34.96
029.0	000.2948	0815.9	069.4	138.4	002.0500	0104.7	090.0	34.63
030.0	000.2931	0813.8	069.3	138.3	002.0500	0104.5	091.2	34.30
031.0	000.2905	0810.1	069.1	138.1	002.0500	0104.4	092.4	33.97
032.0	000.2880	0804.7	068.8	138.1	002.0500	0104.4	093.7	33.65
033.0	000.2855	0798.1	068.6	138.0	002.0500	0104.4	094.9	33.33
034.0	000.2830	0789.9	068.2	138.1	002.0500	0104.4	096.1	33.02
035.0	000.2805	0781.6	067.9	138.1	002.0500	0104.4	097.4	32.71
036.0	000.2780	0776.3	067.6	138.1	002.0500	0104.4	098.6	32.42
037.0	000.2755	0773.0	067.4	138.0	002.0500	0104.4	099.8	32.14
038.0	000.2730	0771.3	067.2	138.0	002.0500	0104.3	101.0	31.86
039.0	000.2706	0770.5	067.1	138.0	002.0500	0104.3	102.1	31.59
040.0	000.2681	0769.9	067.0	137.9	002.0500	0104.3	103.3	31.33
041.0	000.2639	0768.9	066.8	137.9	002.0500	0104.3	104.5	31.08
042.0	000.2597	0767.1	066.6	138.0	002.0500	0104.3	105.7	30.83
043.0	000.2556	0763.8	066.3	138.1	002.0500	0104.4	106.9	30.58
044.0	000.2515	0759.7	066.0	138.2	002.0500	0104.5	108.0	30.35
045.0	000.2474	0755.7	065.7	138.3	002.0500	0104.6	109.2	30.12
046.0	000.2433	0750.8	065.4	138.4	002.0500	0104.7	110.4	29.90
047.0	000.2393	0745.7	065.0	138.6	002.0500	0104.9	111.5	29.68
048.0	000.2353	0740.4	064.7	138.7	002.0500	0105.2	112.7	29.48
049.0	000.2314	0735.1	064.3	138.9	002.0500	0105.6	113.8	29.29

Channel-Six TV Protection Study

KPTW CP 06+ 2E Dom Int 0.331 kW 536 M HAAT VHN DA=D
 Casper WY 2501.0 M COR AMSL
 Lat= 42 44 26.0, Lng= 106 21 34.0
 Central Wyoming College BPET19960624KT
 Fac ID# 82575
 Dist.=130.85 km, Azi=168.5°, Rev Azi=348.7°

Direct line HAAT Grade B, 47 dBu= 71.66 km & Grade A= 26.09 km

Distance from reference to Grade B = 59.19 km

Cutoff Dist from Full Service or Class CA= 235

Maximum Co-located power= 5 kW

KPTW Signal Contour at Reference location = 24.9 dBu

CH. 204, U/D ratio = 15.3 dB, Maximum FM signal = 62.3 dBu , 6 dB credit added

TV/FM D to U values

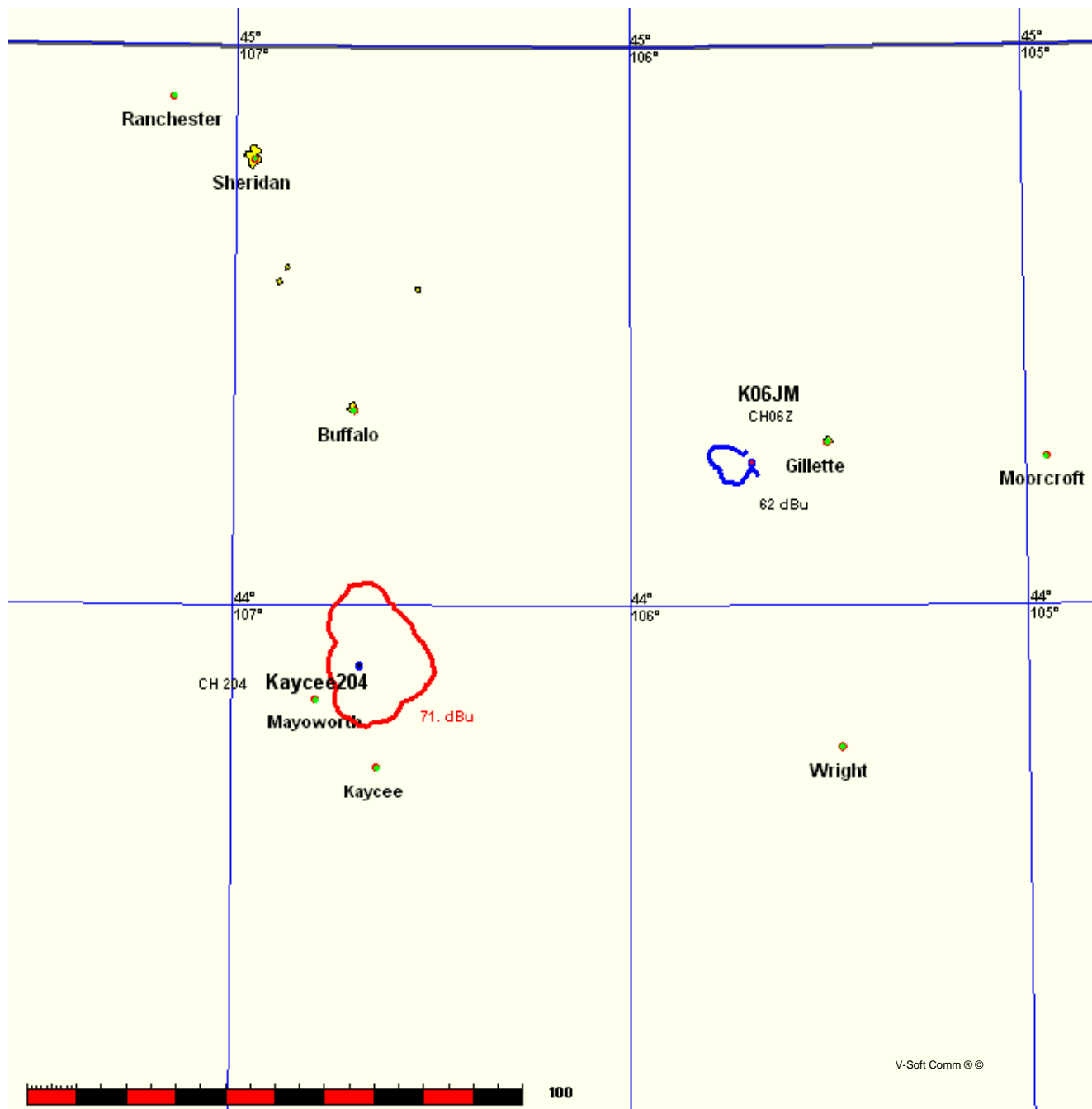
47.0	62.3	55.0	66.9	63.0	71.7	71.0	77.5	79.0	84.0	87.0	90.7
48.0	62.8	56.0	67.5	64.0	72.3	72.0	78.2	80.0	84.8	88.0	91.6
49.0	63.4	57.0	68.1	65.0	73.0	73.0	79.0	81.0	85.7	89.0	92.4
50.0	63.9	58.0	68.7	66.0	73.7	74.0	79.8	82.0	86.5	90.0	93.3
51.0	64.5	59.0	69.3	67.0	74.5	75.0	80.7	83.0	87.4	91.0	93.3
52.0	65.1	60.0	69.8	68.0	75.2	76.0	81.5	84.0	88.2	92.0	93.3
53.0	65.7	61.0	70.4	69.0	76.0	77.0	82.4	85.0	89.1	93.0	93.3
54.0	66.3	62.0	71.0	70.0	76.7	78.0	83.2	86.0	89.9	94.0	93.3

Wyoming Public Radio
Kaycee 204 v K06JM

FMCommander Single Allocation Study
10-06-2007

Kaycee204 CH 204 A
2.05 kW 1653 M COR
Intef. = 71.0 dBu

K06JM CH 06Z T BLTVA20031223ACO
3.0 kW, 1525 M COR DA
Prot. = 62 dBu



10-06-2007 USGS 03 SEC Terrain Data

K06JM BLTVA20031223ACO
 Channel = 06ZT
 Max ERP = 3 kW
 RCAMSL = 1525 M
 N. Lat. 44 15 24.0
 W. Lng. 105 41 40.0
 Protected
 62 dBu

Kaycee204
 Channel = 204A
 Max ERP = 2.05 kW
 RCAMSL = 1653 M
 N. Lat. 43 53 41.4
 W. Lng. 106 40 48.3
 Interfering
 71 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
183.0	000.0003	0028.7	001.6	063.5	002.0500	0121.5	087.8	35.98
184.0	000.0003	0028.0	001.6	063.5	002.0500	0121.4	087.8	35.99
185.0	000.0003	0027.3	001.6	063.5	002.0500	0121.4	087.8	35.99
186.0	000.0003	0026.9	001.6	063.5	002.0500	0121.4	087.7	36.00
187.0	000.0003	0026.7	001.6	063.5	002.0500	0121.4	087.7	36.01
188.0	000.0003	0026.5	001.6	063.5	002.0500	0121.4	087.7	36.01
189.0	000.0003	0026.2	001.6	063.4	002.0500	0121.4	087.7	36.02
190.0	000.0003	0026.1	001.6	063.4	002.0500	0121.3	087.7	36.02
191.0	000.0006	0026.2	001.6	063.4	002.0500	0121.3	087.6	36.03
192.0	000.0010	0026.3	001.6	063.4	002.0500	0121.3	087.6	36.03
193.0	000.0015	0026.6	001.8	063.5	002.0500	0121.4	087.5	36.08
194.0	000.0020	0028.3	001.9	063.6	002.0500	0121.5	087.4	36.12
195.0	000.0027	0031.6	002.1	063.6	002.0500	0121.7	087.2	36.17
196.0	000.0035	0035.4	002.4	063.8	002.0500	0121.9	087.0	36.23
197.0	000.0043	0039.6	002.7	063.9	002.0500	0122.1	086.8	36.30
198.0	000.0053	0042.8	002.9	064.0	002.0500	0122.3	086.6	36.36
199.0	000.0063	0046.0	003.1	064.0	002.0500	0122.4	086.4	36.43
200.0	000.0075	0048.2	003.3	064.1	002.0500	0122.6	086.2	36.49
201.0	000.0091	0048.5	003.5	064.2	002.0500	0122.7	086.0	36.54
202.0	000.0108	0049.4	003.7	064.2	002.0500	0122.8	085.9	36.60
203.0	000.0127	0050.6	003.9	064.3	002.0500	0122.9	085.7	36.66
204.0	000.0147	0052.7	004.2	064.4	002.0500	0123.0	085.4	36.73
205.0	000.0169	0055.0	004.4	064.4	002.0500	0123.2	085.2	36.80
206.0	000.0192	0056.0	004.6	064.5	002.0500	0123.2	085.0	36.86
207.0	000.0217	0056.3	004.7	064.5	002.0500	0123.3	084.8	36.91
208.0	000.0243	0056.0	004.9	064.5	002.0500	0123.3	084.7	36.96
209.0	000.0271	0055.1	005.0	064.5	002.0500	0123.3	084.6	36.99
210.0	000.0300	0053.7	005.0	064.5	002.0500	0123.2	084.5	37.02
211.0	000.0312	0052.6	005.0	064.4	002.0500	0123.1	084.4	37.03
212.0	000.0324	0052.5	005.1	064.4	002.0500	0123.1	084.3	37.05
213.0	000.0337	0052.9	005.1	064.4	002.0500	0123.0	084.2	37.08
214.0	000.0350	0053.0	005.2	064.3	002.0500	0123.0	084.1	37.10
215.0	000.0363	0053.3	005.2	064.3	002.0500	0122.9	084.0	37.13
216.0	000.0376	0054.3	005.3	064.3	002.0500	0122.9	083.9	37.16
217.0	000.0390	0056.5	005.5	064.3	002.0500	0122.8	083.7	37.21

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
218.0	000.0404	0057.5	005.6	064.2	002.0500	0122.8	083.6	37.25
219.0	000.0418	0057.4	005.6	064.2	002.0500	0122.7	083.5	37.27
220.0	000.0432	0057.1	005.7	064.1	002.0500	0122.6	083.4	37.28
221.0	000.0432	0056.8	005.6	064.1	002.0500	0122.5	083.4	37.29
222.0	000.0432	0057.4	005.7	064.0	002.0500	0122.4	083.4	37.30
223.0	000.0432	0059.1	005.7	064.0	002.0500	0122.3	083.2	37.33
224.0	000.0432	0060.8	005.8	063.9	002.0500	0122.2	083.1	37.35
225.0	000.0432	0062.6	005.9	063.9	002.0500	0122.1	083.0	37.38
226.0	000.0432	0064.9	006.0	063.8	002.0500	0122.0	082.9	37.41
227.0	000.0432	0067.3	006.1	063.8	002.0500	0122.0	082.8	37.45
228.0	000.0432	0070.3	006.2	063.7	002.0500	0121.9	082.6	37.49
229.0	000.0432	0073.8	006.4	063.7	002.0500	0121.8	082.5	37.53
230.0	000.0432	0076.7	006.5	063.6	002.0500	0121.7	082.3	37.57
231.0	000.0432	0078.4	006.6	063.6	002.0500	0121.6	082.2	37.60
232.0	000.0432	0079.4	006.6	063.5	002.0500	0121.5	082.1	37.61
233.0	000.0432	0079.5	006.6	063.4	002.0500	0121.3	082.1	37.61
234.0	000.0432	0079.2	006.6	063.3	002.0500	0121.2	082.1	37.61
235.0	000.0432	0079.5	006.6	063.3	002.0500	0121.0	082.1	37.61
236.0	000.0432	0080.5	006.7	063.2	002.0500	0120.9	082.0	37.62
237.0	000.0432	0081.5	006.7	063.1	002.0500	0120.8	082.0	37.63
238.0	000.0432	0082.3	006.7	063.0	002.0500	0120.6	081.9	37.64
239.0	000.0432	0082.8	006.8	063.0	002.0500	0120.5	081.9	37.64
240.0	000.0432	0082.6	006.7	062.9	002.0500	0120.4	081.9	37.64
241.0	000.0436	0082.1	006.7	062.8	002.0500	0120.3	081.9	37.63
242.0	000.0439	0081.6	006.7	062.7	002.0500	0120.1	081.9	37.62
243.0	000.0443	0081.1	006.7	062.6	002.0500	0120.0	081.9	37.61
244.0	000.0447	0080.8	006.7	062.5	002.0500	0119.9	081.9	37.61
245.0	000.0450	0080.3	006.7	062.5	002.0500	0119.8	081.9	37.60
246.0	000.0454	0079.8	006.7	062.4	002.0500	0119.6	081.9	37.59
247.0	000.0458	0079.0	006.7	062.3	002.0500	0119.5	081.9	37.58
248.0	000.0461	0078.3	006.7	062.2	002.0500	0119.4	082.0	37.56
249.0	000.0465	0077.6	006.6	062.1	002.0500	0119.3	082.0	37.55
250.0	000.0469	0077.0	006.6	062.1	002.0500	0119.2	082.0	37.54
251.0	000.0476	0076.3	006.6	062.0	002.0500	0119.1	082.1	37.53
252.0	000.0484	0074.8	006.6	061.9	002.0500	0119.0	082.1	37.51
253.0	000.0492	0072.5	006.5	061.8	002.0500	0119.0	082.2	37.48
254.0	000.0499	0070.6	006.4	061.8	002.0500	0118.9	082.3	37.45
255.0	000.0507	0069.2	006.4	061.7	002.0500	0118.9	082.3	37.43
256.0	000.0515	0068.3	006.4	061.6	002.0500	0118.8	082.4	37.42
257.0	000.0523	0067.8	006.4	061.5	002.0500	0118.7	082.4	37.41
258.0	000.0531	0068.1	006.4	061.5	002.0500	0118.7	082.4	37.40
259.0	000.0539	0069.3	006.5	061.4	002.0500	0118.6	082.4	37.41
260.0	000.0547	0071.7	006.6	061.3	002.0500	0118.6	082.3	37.44
261.0	000.0563	0075.2	006.9	061.1	002.0500	0118.5	082.1	37.48
262.0	000.0580	0079.6	007.1	061.0	002.0500	0118.5	081.9	37.53
263.0	000.0596	0085.6	007.4	060.8	002.0500	0118.4	081.7	37.61
264.0	000.0613	0088.6	007.6	060.7	002.0500	0118.4	081.5	37.64
265.0	000.0631	0089.2	007.7	060.6	002.0500	0118.4	081.5	37.65
266.0	000.0648	0089.8	007.8	060.5	002.0500	0118.5	081.5	37.66
267.0	000.0666	0091.0	007.9	060.4	002.0500	0118.5	081.5	37.67
268.0	000.0684	0092.9	008.0	060.2	002.0500	0118.6	081.4	37.69

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
269.0	000.0702	0094.4	008.2	060.1	002.0500	0118.6	081.3	37.71
270.0	000.0721	0095.2	008.3	060.0	002.0500	0118.7	081.3	37.72
271.0	000.0721	0095.8	008.3	059.9	002.0500	0118.8	081.4	37.71
272.0	000.0721	0096.3	008.3	059.8	002.0500	0118.9	081.4	37.69
273.0	000.0721	0097.0	008.3	059.7	002.0500	0118.9	081.5	37.68
274.0	000.0721	0098.7	008.4	059.6	002.0500	0119.0	081.5	37.68
275.0	000.0721	0100.5	008.5	059.5	002.0500	0119.1	081.5	37.68
276.0	000.0721	0101.9	008.6	059.3	002.0500	0119.3	081.6	37.68
277.0	000.0721	0103.4	008.6	059.2	002.0500	0119.4	081.6	37.68
278.0	000.0721	0104.6	008.7	059.1	002.0500	0119.6	081.6	37.67
279.0	000.0721	0105.4	008.7	059.0	002.0500	0119.7	081.7	37.65
280.0	000.0721	0105.6	008.7	058.9	002.0500	0119.8	081.8	37.63
281.0	000.0689	0106.1	008.6	058.9	002.0500	0119.9	082.0	37.59
282.0	000.0657	0107.2	008.6	058.8	002.0500	0120.0	082.1	37.55
283.0	000.0626	0107.9	008.5	058.8	002.0500	0120.0	082.3	37.51
284.0	000.0596	0108.4	008.4	058.8	002.0500	0120.1	082.4	37.47
285.0	000.0567	0109.7	008.4	058.7	002.0500	0120.2	082.6	37.43
286.0	000.0539	0111.6	008.3	058.7	002.0500	0120.3	082.7	37.40
287.0	000.0511	0113.6	008.3	058.6	002.0500	0120.4	082.8	37.36
288.0	000.0484	0115.6	008.2	058.6	002.0500	0120.5	083.0	37.33
289.0	000.0458	0117.4	008.2	058.5	002.0500	0120.5	083.1	37.29
290.0	000.0432	0119.1	008.1	058.5	002.0500	0120.6	083.3	37.25
291.0	000.0390	0120.6	008.0	058.5	002.0500	0120.5	083.5	37.18
292.0	000.0350	0121.7	007.8	058.6	002.0500	0120.5	083.7	37.12
293.0	000.0312	0122.3	007.6	058.6	002.0500	0120.4	083.9	37.05
294.0	000.0276	0122.5	007.4	058.7	002.0500	0120.2	084.1	36.98
295.0	000.0243	0122.6	007.2	058.8	002.0500	0120.1	084.4	36.90
296.0	000.0212	0122.8	006.9	058.9	002.0500	0120.0	084.6	36.83
297.0	000.0183	0122.9	006.7	058.9	002.0500	0119.8	084.8	36.76
298.0	000.0156	0123.0	006.4	059.1	002.0500	0119.7	085.1	36.69
299.0	000.0131	0123.0	006.2	059.2	002.0500	0119.5	085.3	36.61
300.0	000.0108	0123.2	005.9	059.3	002.0500	0119.3	085.5	36.54
301.0	000.0091	0123.4	005.6	059.4	002.0500	0119.2	085.7	36.47
302.0	000.0075	0123.8	005.4	059.5	002.0500	0119.0	085.9	36.41
303.0	000.0061	0124.2	005.1	059.7	002.0500	0118.9	086.2	36.34

Channel-Six TV Protection Study

K06JM LI 06Z T Dom Int 3.000 kW 150 M HAAT C N DA=D
Gillette WY 1525.0 M COR AMSL
Lat= 44 15 24.0, Lng= 105 41 40.0
Duhamel Broadcasting Enterpr BLTVA20031223ACO
Fac ID# 17679
Dist.=88.6 km, Azi=62.6°, Rev Azi=243.3°

Direct line HAAT Grade B, 62 dBu= 6.73 km & Grade A= 4.79 km

Distance from reference to Grade B = 81.88 km

Cutoff Dist from Full Service or Class CA= 235

Maximum Co-located power= 5 kW

K06JM Signal Contour at Reference location = 8.6 dBu

CH. 204, U/D ratio = 9.0 dB, Maximum FM signal = 71.0 dBu , 6 dB credit added

TV/FM D to U values

62.0	71.0	70.0	76.7	78.0	83.2	86.0	89.9
63.0	71.7	71.0	77.5	79.0	84.0	87.0	90.7
64.0	72.3	72.0	78.2	80.0	84.8	88.0	91.6
65.0	73.0	73.0	79.0	81.0	85.7	89.0	92.4
66.0	73.7	74.0	79.8	82.0	86.5	90.0	93.3
67.0	74.5	75.0	80.7	83.0	87.4	91.0	93.3
68.0	75.2	76.0	81.5	84.0	88.2	92.0	93.3
69.0	76.0	77.0	82.4	85.0	89.1	93.0	93.3