

Uni versi ty Of Wyomi ng
Lingl e - Jay Em - 18.5 kW
Pwr= 18.5 kW, HAAT= 80.1
Page Protected F(50-50)= 3.
Omni -di recti onal

CH# 214C3 - 90.7 MHz, Pwr= 18.5 kW, HAAT= 80.1 M, COR= 1493.3 M
Average Protected F(50-50)= 33.04 km
Omni-directional

DI SPLAY DATES
DATA 03-13-10
SEARCH 03-15-10

CH CI TY	CALL	TYPE	ANT STATE	AZI ---	DI ST FI LE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LI CENSEE	*IN* (Overl ap	*OUT* in km)
214C1 Li ngl e	KUWV	CP WY	_CX	326. 8 146. 6	33. 2 BMPED20081031ABG	42 35 05. 0 104 23 13. 0	100. 000 61	150. 5 1583	54. 9	-151. 2*<	-123. 0*< Uni versity Of Wyoming
215C0 Chugwater	KLWV	LI C WY	_CX	223. 6 42. 7	156. 2 BLED20040621ABR	41 18 39. 0 105 27 12. 0	100. 000 361	116. 4 2765	78. 5	0. 4	17. 6 Educational Medi a Foundati
216C All i ance	KTNE-FM	LI C NE	_CY	120. 6 301. 4	107. 0 BLED19900515KB	41 50 24. 0 103 03 18. 0	100. 000 404	11. 3 1669	77. 6	60. 7	25. 6 Nebraska Educati onal Tel ec
267C0 Bri dgeport	KOZY-FM	LI C NE	_C_	153. 0 333. 2	61. 7 BLH20010827AAD	41 50 23. 0 103 49 36. 0	100. 000 339	2. 0 1630	12. 5	26. 5R	35. 2M Legacy Communi cations, LI c
213A Chadron	NEW	CP NE	_CX	60. 3 241. 1	108. 9 BNPED20071019AUE	42 48 47. 0 103 00 22. 0	0. 100 90	15. 4 1167	10. 8	66. 8	56. 5 Jazz Bi rds
214A Sterl i ng	KDRE	LI C CO	_VX	153. 4 334. 1	213. 1 BLED20051006AAI	40 36 56. 0 103 02 02. 0	1. 600 154	85. 0 1447	30. 5	90. 8	75. 3 Educational Medi a Foundati
212C2 Cheyenne	KWYC	CP WY	_CX	190. 8 10. 6	126. 4 BMPED20070808ACK	41 13 01. 0 104 26 53. 0	34. 000 130	5. 0 1848	44. 9	87. 0	78. 1 Cal vary Chapel Of Twi n Fal
212C2 Cheyenne	KWYC	APP WY	_CX	190. 8 10. 6	126. 4 BMPED20100308ABX	41 13 01. 0 104 26 53. 0	20. 500 130	4. 3 1848	40. 6	87. 1	82. 3 Cal vary Chapel Of Twi n Fal
212C2 Orchard Val l ey	KWYC	LI C WY	_CX	190. 8 10. 6	126. 4 BLED20050825AFD	41 13 01. 0 104 26 53. 0	20. 000 130	4. 3 1848	40. 4	87. 7	82. 5 Cal vary Chapel Of Twi n Fal
212C Casper	KCSP-FM	LI C WY	_CN	285. 1 103. 7	181. 6 BLED19921013KA	42 44 24. 0 106 18 23. 0	100. 000 587	13. 8 2554	92. 3	130. 8	85. 1 Western Inspi rati onal Broa
214C2 Wi ggi ns	KHWD	CP CO	DCX	178. 7 358. 8	228. 9 BNPED20071022ARC	40 16 29. 0 104 06 17. 0	3. 800 275	86. 9 1650	37. 2	106. 6	88. 6 Cal vary Chapel Aurora

Terrain database is FCC NGDC 30 Sec , 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 = 2, Co to 3rd adjacent.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
***affixed to 'IN' or 'OUT' values = site inside protected contour.

HOW TO READ THE FM COMPUTER PRINT-OUT

Full Service Stations

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. Contour distances are in kilometers and are predicted using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

The column listed "IN " is the difference in kilometers between of the reference station's protected contour and the data file station's interference contour at the closest point between the contours. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, "IN" column is a measure of incoming interference. Negative distances in this column indicate the presence of contour overlap. Listed antenna heights and power are those given in the FCC database. The column labeled "OUT " shows the greatest distance in kilometers of overlap or smallest of clearance between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing contour overlap.

Under the "AZI" column, the first row of numbers indicate the True North bearings from the reference station toward the database stations, while the numbers in the second row indicate the reverse bearings from the database stations to the reference station.

The columns labeled "INT" and "PRO" contain the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

For I.F. relationships, some channel-six TV relationships and relationships with commercial channel stations providing clearance the minimum spacings values the "IN" and "OUT" columns can change their significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column follows the **available clear space** (or lack of it) in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

The call letters of stations meeting the minimum separation distances under the rules will be flagged by the characters "<<" appended to the right-hand side of the call sign. The "^" character appended to the call sign means the station has been "max-classed" according to the provisions of section 73.525 of the Rules.

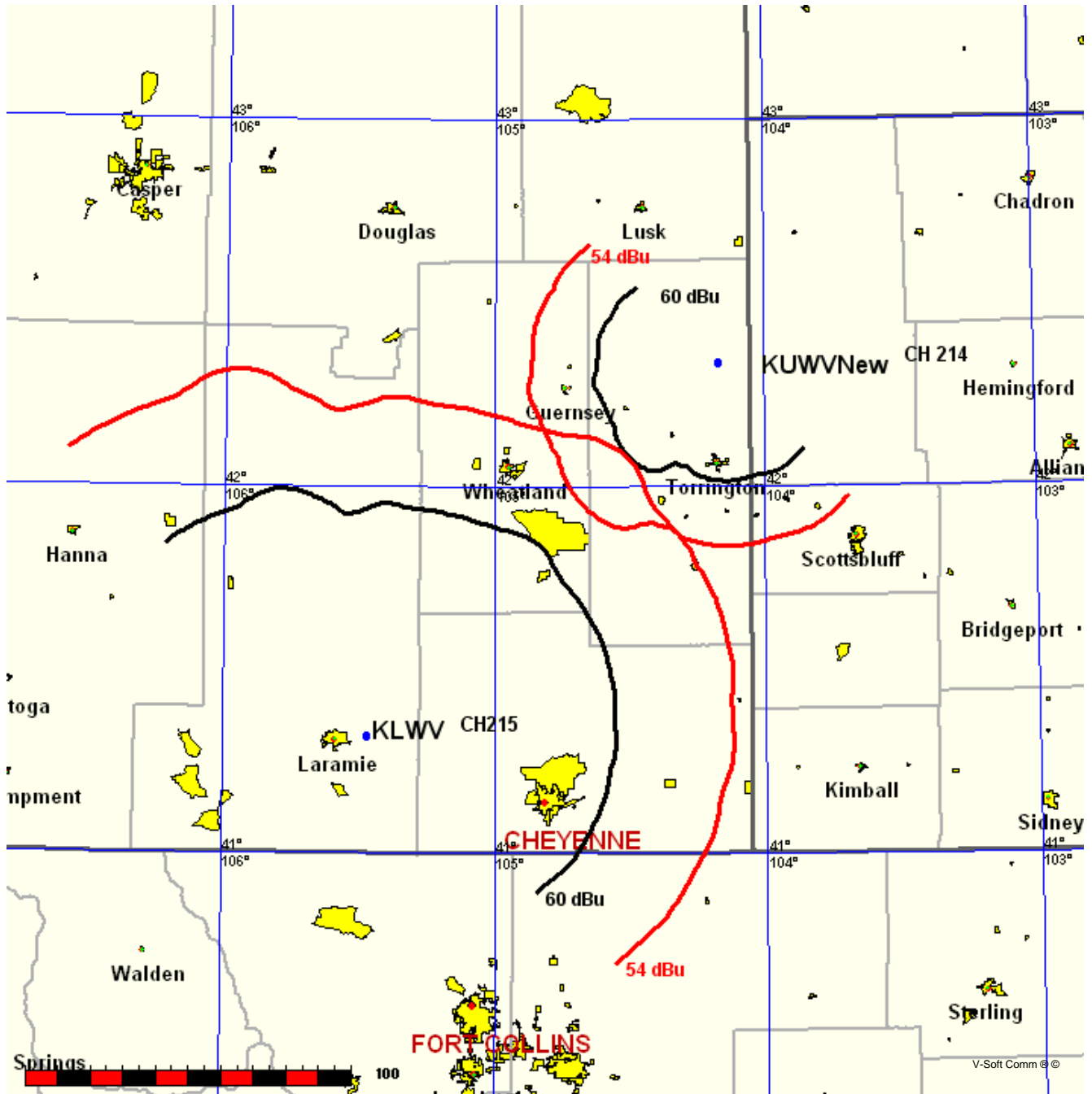
The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates with an omni-directional antenna. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an "X" if the commission is not sure, otherwise it will be an "N" or left blank.

University Of Wyoming
KUWV (New) v. KLWV

FMCommander Single Allocation Study - 03-15-2010 - FCC NGDC 30 Sec
KUWVNew's Overlaps (In= 0.42 km, Out= 17.6 km)

KUWVNew CH 214 C3
Lat= 42 20 06.1, Lng= 104 09 53.2
18.5 kW 80.1 M HAAT, 1493.3 M COR
Prot.= 60 dBu, Intef.= 54 dBu

KLWV CH 215 C0 BLED20040621ABR
Lat= 41 18 39.0, Lng= 105 27 12.0
100.0 kW 360.6 M HAAT, 2765 M COR
Prot.= 60 dBu, Intef.= 54 dBu



03-15-2010

FCC NGDC 30 Sec Terrain Data

FMOver Analysis

KUWVNew

KLWV BLED20040621ABR

Channel = 214C3
 Max ERP = 18.5 kW
 RCAMSL = 1493.3 M
 N. Lat. 42 20 06.1
 W. Lng. 104 09 53.2
 Protected
 60 dBu

Channel = 215C0
 Max ERP = 100 kW
 RCAMSL = 2765 M
 N. Lat. 41 18 39.0
 W. Lng. 105 27 12.0
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
164.0	018.5000	0096.1	036.0	055.4	100.0000	0358.6	141.2	47.14	
165.0	018.5000	0096.2	036.1	055.4	100.0000	0358.4	140.6	47.27	
166.0	018.5000	0096.3	036.1	055.3	100.0000	0358.3	140.0	47.40	
167.0	018.5000	0096.4	036.1	055.2	100.0000	0358.2	139.4	47.53	
168.0	018.5000	0096.6	036.1	055.1	100.0000	0358.0	138.8	47.66	
169.0	018.5000	0096.8	036.2	055.0	100.0000	0357.9	138.2	47.79	
170.0	018.5000	0096.7	036.1	054.9	100.0000	0357.7	137.7	47.91	
171.0	018.5000	0096.3	036.1	054.8	100.0000	0357.4	137.1	48.03	
172.0	018.5000	0096.1	036.0	054.7	100.0000	0357.2	136.6	48.15	
173.0	018.5000	0096.3	036.1	054.5	100.0000	0357.1	136.0	48.28	
174.0	018.5000	0096.4	036.1	054.4	100.0000	0357.0	135.5	48.41	
175.0	018.5000	0096.2	036.1	054.3	100.0000	0356.8	134.9	48.53	
176.0	018.5000	0095.8	036.0	054.1	100.0000	0356.6	134.4	48.64	
177.0	018.5000	0095.2	035.9	054.0	100.0000	0356.4	134.0	48.75	
178.0	018.5000	0094.5	035.8	053.8	100.0000	0356.2	133.5	48.85	
179.0	018.5000	0094.4	035.7	053.6	100.0000	0356.0	133.0	48.96	
180.0	018.5000	0094.3	035.7	053.4	100.0000	0355.9	132.5	49.08	
181.0	018.5000	0093.9	035.7	053.3	100.0000	0355.8	132.0	49.19	
182.0	018.5000	0093.4	035.6	053.1	100.0000	0355.7	131.6	49.29	
183.0	018.5000	0092.6	035.4	052.9	100.0000	0355.5	131.2	49.38	
184.0	018.5000	0091.9	035.3	052.6	100.0000	0355.5	130.8	49.47	
185.0	018.5000	0091.2	035.2	052.4	100.0000	0355.4	130.5	49.55	
186.0	018.5000	0090.7	035.1	052.2	100.0000	0355.3	130.1	49.65	
187.0	018.5000	0090.2	035.0	052.0	100.0000	0355.4	129.7	49.74	
188.0	018.5000	0089.7	034.9	051.8	100.0000	0355.4	129.3	49.83	
189.0	018.5000	0089.2	034.8	051.6	100.0000	0355.4	129.0	49.91	
190.0	018.5000	0088.4	034.7	051.3	100.0000	0355.6	128.7	49.99	
191.0	018.5000	0087.4	034.5	051.1	100.0000	0355.8	128.4	50.06	
192.0	018.5000	0086.1	034.2	050.8	100.0000	0356.3	128.2	50.13	
193.0	018.5000	0084.2	033.8	050.5	100.0000	0357.0	128.1	50.17	
194.0	018.5000	0081.9	033.4	050.2	100.0000	0357.8	128.1	50.20	
195.0	018.5000	0079.7	032.9	049.8	100.0000	0358.6	128.2	50.22	
196.0	018.5000	0078.5	032.7	049.6	100.0000	0359.6	128.0	50.28	
197.0	018.5000	0078.7	032.8	049.4	100.0000	0360.4	127.7	50.40	
198.0	018.5000	0079.7	033.0	049.2	100.0000	0361.2	127.2	50.54	
199.0	018.5000	0080.4	033.1	049.0	100.0000	0362.1	126.8	50.67	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
200.0	018.5000	0080.3	033.1	048.8	100.0000	0363.2	126.5	50.78
201.0	018.5000	0079.8	033.0	048.5	100.0000	0364.5	126.3	50.87
202.0	018.5000	0080.0	033.0	048.3	100.0000	0365.7	126.0	50.99
203.0	018.5000	0081.6	033.3	048.1	100.0000	0366.7	125.5	51.16
204.0	018.5000	0084.6	033.9	048.0	100.0000	0367.4	124.7	51.38
205.0	018.5000	0088.6	034.7	047.9	100.0000	0368.0	123.8	51.63
206.0	018.5000	0092.9	035.5	047.8	100.0000	0368.7	122.8	51.90
207.0	018.5000	0097.2	036.2	047.6	100.0000	0369.6	121.9	52.16
208.0	018.5000	0101.3	036.9	047.5	100.0000	0370.6	121.0	52.41
209.0	018.5000	0105.1	037.5	047.3	100.0000	0371.7	120.3	52.64
210.0	018.5000	0108.3	038.0	047.1	100.0000	0373.0	119.6	52.86
211.0	018.5000	0110.9	038.4	046.8	100.0000	0374.4	119.1	53.05
212.0	018.5000	0113.0	038.7	046.5	100.0000	0375.9	118.6	53.21
213.0	018.5000	0114.5	038.9	046.3	100.0000	0377.4	118.2	53.36
214.0	018.5000	0115.8	039.0	046.0	100.0000	0378.8	117.9	53.48
215.0	018.5000	0116.6	039.2	045.6	100.0000	0380.1	117.7	53.59
216.0	018.5000	0117.3	039.2	045.3	100.0000	0381.3	117.5	53.67
217.0	018.5000	0117.7	039.3	045.0	100.0000	0382.2	117.3	53.74
218.0	018.5000	0118.2	039.4	044.7	100.0000	0382.8	117.1	53.80
219.0	018.5000	0118.7	039.4	044.3	100.0000	0383.3	117.0	53.85
220.0	018.5000	0118.9	039.4	044.0	100.0000	0383.6	116.9	53.88
221.0	018.5000	0119.0	039.5	043.7	100.0000	0383.5	116.9	53.89
222.0	018.5000	0118.9	039.4	043.3	100.0000	0383.2	116.8	53.89
223.0	018.5000	0118.8	039.4	043.0	100.0000	0382.9	116.8	53.88
224.0	018.5000	0118.5	039.4	042.7	100.0000	0382.4	116.9	53.86
225.0	018.5000	0118.0	039.3	042.3	100.0000	0381.8	117.0	53.82
226.0	018.5000	0117.5	039.3	042.0	100.0000	0381.1	117.1	53.77
227.0	018.5000	0117.0	039.2	041.7	100.0000	0380.3	117.2	53.71
228.0	018.5000	0116.4	039.1	041.3	100.0000	0379.5	117.3	53.65
229.0	018.5000	0115.8	039.0	041.0	100.0000	0378.5	117.5	53.58
230.0	018.5000	0115.2	039.0	040.7	100.0000	0377.5	117.7	53.51
231.0	018.5000	0114.5	038.9	040.4	100.0000	0376.5	117.9	53.42
232.0	018.5000	0113.7	038.8	040.1	100.0000	0375.4	118.1	53.32
233.0	018.5000	0112.5	038.6	039.8	100.0000	0374.2	118.4	53.21
234.0	018.5000	0111.0	038.4	039.5	100.0000	0373.1	118.8	53.07
235.0	018.5000	0108.9	038.1	039.2	100.0000	0371.9	119.2	52.92
236.0	018.5000	0106.6	037.7	038.9	100.0000	0370.8	119.7	52.75
237.0	018.5000	0104.3	037.4	038.7	100.0000	0369.6	120.3	52.57
238.0	018.5000	0102.5	037.1	038.4	100.0000	0368.3	120.7	52.41
239.0	018.5000	0101.6	036.9	038.2	100.0000	0367.0	121.1	52.27
240.0	018.5000	0101.3	036.9	037.9	100.0000	0365.5	121.4	52.15
241.0	018.5000	0101.4	036.9	037.6	100.0000	0363.8	121.6	52.03
242.0	018.5000	0101.5	036.9	037.3	100.0000	0362.1	121.8	51.90
243.0	018.5000	0101.6	037.0	037.0	100.0000	0360.4	122.1	51.77
244.0	018.5000	0101.7	037.0	036.8	100.0000	0358.6	122.4	51.64
245.0	018.5000	0101.9	037.0	036.5	100.0000	0356.7	122.6	51.50
246.0	018.5000	0102.1	037.0	036.2	100.0000	0354.8	122.9	51.36
247.0	018.5000	0102.2	037.0	036.0	100.0000	0352.9	123.2	51.21
248.0	018.5000	0102.3	037.1	035.7	100.0000	0350.9	123.5	51.06
249.0	018.5000	0102.3	037.1	035.4	100.0000	0349.1	123.9	50.91
250.0	018.5000	0102.5	037.1	035.2	100.0000	0347.3	124.2	50.76

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
251.0	018.5000	0102.6	037.1	034.9	100.0000	0345.5	124.6	50.61
252.0	018.5000	0102.9	037.2	034.7	100.0000	0343.7	124.9	50.46
253.0	018.5000	0103.3	037.2	034.4	100.0000	0342.0	125.3	50.32
254.0	018.5000	0103.6	037.3	034.2	100.0000	0340.3	125.6	50.17
255.0	018.5000	0104.2	037.4	033.9	100.0000	0338.6	126.0	50.03
256.0	018.5000	0105.6	037.6	033.6	100.0000	0336.7	126.3	49.90
257.0	018.5000	0107.8	037.9	033.3	100.0000	0334.7	126.5	49.78
258.0	018.5000	0109.9	038.2	033.0	100.0000	0332.9	126.7	49.67
259.0	018.5000	0111.2	038.4	032.7	100.0000	0331.4	127.0	49.54
260.0	018.5000	0111.1	038.4	032.5	100.0000	0330.3	127.5	49.39
261.0	018.5000	0110.8	038.4	032.3	100.0000	0329.2	128.1	49.24
262.0	018.5000	0110.4	038.3	032.2	100.0000	0328.3	128.6	49.09
263.0	018.5000	0108.9	038.1	032.0	100.0000	0327.7	129.3	48.92
264.0	018.5000	0106.8	037.8	032.0	100.0000	0327.3	130.0	48.75
265.0	018.5000	0104.8	037.5	031.9	100.0000	0327.0	130.7	48.58
266.0	018.5000	0103.1	037.2	031.8	100.0000	0326.6	131.3	48.42
267.0	018.5000	0102.5	037.1	031.7	100.0000	0325.9	131.9	48.27
268.0	018.5000	0102.1	037.0	031.5	100.0000	0325.2	132.5	48.13
269.0	018.5000	0101.8	037.0	031.4	100.0000	0324.6	133.1	47.99
270.0	018.5000	0101.3	036.9	031.3	100.0000	0324.0	133.6	47.84
271.0	018.5000	0100.7	036.8	031.2	100.0000	0323.5	134.2	47.70
272.0	018.5000	0100.1	036.7	031.1	100.0000	0323.1	134.8	47.56
273.0	018.5000	0099.6	036.6	031.0	100.0000	0322.6	135.4	47.42
274.0	018.5000	0099.8	036.7	030.8	100.0000	0322.0	136.0	47.28
275.0	018.5000	0100.0	036.7	030.7	100.0000	0321.5	136.5	47.15
276.0	018.5000	0100.2	036.7	030.6	100.0000	0321.0	137.1	47.02
277.0	018.5000	0100.5	036.8	030.4	100.0000	0320.5	137.7	46.89
278.0	018.5000	0101.2	036.9	030.3	100.0000	0319.9	138.2	46.75
279.0	018.5000	0101.6	037.0	030.2	100.0000	0319.3	138.8	46.62
280.0	018.5000	0102.0	037.0	030.0	100.0000	0318.8	139.4	46.49
281.0	018.5000	0102.0	037.0	029.9	100.0000	0318.4	140.0	46.35
282.0	018.5000	0101.4	036.9	029.9	100.0000	0318.2	140.6	46.21
283.0	018.5000	0100.8	036.8	029.9	100.0000	0318.0	141.3	46.07

03-15-2010 FCC NGDC 30 Sec Terrain Data

KLWV BLED20040621ABR

KUWVNew

Channel = 215C0
 Max ERP = 100 kW
 RCAMSL = 2765 M
 N. Lat. 41 18 39.0
 W. Lng. 105 27 12.0
 Protected
 60 dBu

Channel = 214C3
 Max ERP = 18.5 kW
 RCAMSL = 1493.3 M
 N. Lat. 42 20 06.1
 W. Lng. 104 09 53.2
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
343.0	100.0000	0381.1	078.4	253.8	018.5000	0103.5	134.6	35.00	
344.0	100.0000	0371.5	077.7	253.5	018.5000	0103.5	133.4	35.24	
345.0	100.0000	0361.1	076.9	253.1	018.5000	0103.3	132.1	35.49	
346.0	100.0000	0349.9	076.1	252.7	018.5000	0103.2	130.8	35.74	
347.0	100.0000	0337.8	075.2	252.3	018.5000	0103.0	129.6	35.97	
348.0	100.0000	0325.5	074.3	251.8	018.5000	0102.9	128.4	36.18	
349.0	100.0000	0312.5	073.3	251.3	018.5000	0102.7	127.2	36.39	
350.0	100.0000	0299.6	072.4	250.8	018.5000	0102.6	126.1	36.58	
351.0	100.0000	0286.1	071.3	250.2	018.5000	0102.5	125.1	36.76	
352.0	100.0000	0273.0	070.2	249.6	018.5000	0102.4	124.2	36.93	
353.0	100.0000	0259.9	069.1	248.9	018.5000	0102.3	123.2	37.09	
354.0	100.0000	0249.6	068.2	248.4	018.5000	0102.3	122.3	37.25	
355.0	100.0000	0243.1	067.7	248.0	018.5000	0102.3	121.3	37.42	
356.0	100.0000	0241.8	067.6	247.8	018.5000	0102.3	120.3	37.60	
357.0	100.0000	0243.4	067.7	247.6	018.5000	0102.3	119.1	37.80	
358.0	100.0000	0245.9	067.9	247.5	018.5000	0102.3	117.9	38.01	
359.0	100.0000	0251.3	068.3	247.5	018.5000	0102.3	116.7	38.23	
000.0	100.0000	0256.7	068.8	247.5	018.5000	0102.3	115.4	38.45	
001.0	100.0000	0262.2	069.3	247.4	018.5000	0102.3	114.1	38.68	
002.0	100.0000	0267.8	069.7	247.4	018.5000	0102.3	112.8	38.92	
003.0	100.0000	0273.6	070.2	247.3	018.5000	0102.3	111.5	39.16	
004.0	100.0000	0278.5	070.6	247.3	018.5000	0102.2	110.2	39.41	
005.0	100.0000	0280.6	070.8	247.0	018.5000	0102.2	109.0	39.63	
006.0	100.0000	0281.9	070.9	246.8	018.5000	0102.1	107.9	39.85	
007.0	100.0000	0281.7	070.9	246.4	018.5000	0102.0	106.8	40.06	
008.0	100.0000	0280.4	070.8	246.0	018.5000	0102.1	105.8	40.27	
009.0	100.0000	0278.9	070.7	245.6	018.5000	0102.1	104.9	40.47	
010.0	100.0000	0276.9	070.5	245.1	018.5000	0102.0	104.0	40.66	
011.0	100.0000	0275.5	070.4	244.7	018.5000	0101.8	103.1	40.86	
012.0	100.0000	0275.4	070.4	244.2	018.5000	0101.7	102.1	41.06	
013.0	100.0000	0276.5	070.5	243.8	018.5000	0101.7	101.1	41.29	
014.0	100.0000	0278.8	070.7	243.5	018.5000	0101.6	100.0	41.53	
015.0	100.0000	0281.7	070.9	243.1	018.5000	0101.6	098.9	41.78	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
016.0	100.0000	0283.9	071.1	242.7	018.5000	0101.6	097.9	42.03
017.0	100.0000	0286.1	071.3	242.2	018.5000	0101.6	096.9	42.27
018.0	100.0000	0288.0	071.4	241.8	018.5000	0101.5	095.9	42.51
019.0	100.0000	0289.3	071.5	241.3	018.5000	0101.5	095.0	42.74
020.0	100.0000	0290.7	071.6	240.7	018.5000	0101.4	094.1	42.96
021.0	100.0000	0293.4	071.9	240.2	018.5000	0101.3	093.1	43.21
022.0	100.0000	0297.0	072.1	239.7	018.5000	0101.3	092.1	43.47
023.0	100.0000	0300.2	072.4	239.2	018.5000	0101.5	091.2	43.73
024.0	100.0000	0302.2	072.5	238.6	018.5000	0101.9	090.3	43.97
025.0	100.0000	0303.4	072.6	237.9	018.5000	0102.6	089.6	44.21
026.0	100.0000	0305.1	072.8	237.3	018.5000	0103.7	088.8	44.47
027.0	100.0000	0307.6	073.0	236.6	018.5000	0105.2	088.0	44.76
028.0	100.0000	0310.7	073.2	236.0	018.5000	0106.7	087.2	45.05
029.0	100.0000	0314.4	073.5	235.3	018.5000	0108.3	086.4	45.35
030.0	100.0000	0318.7	073.8	234.6	018.5000	0109.8	085.6	45.65
031.0	100.0000	0322.7	074.1	233.9	018.5000	0111.2	084.8	45.94
032.0	100.0000	0327.5	074.4	233.1	018.5000	0112.4	084.0	46.22
033.0	100.0000	0332.9	074.8	232.4	018.5000	0113.3	083.2	46.49
034.0	100.0000	0339.1	075.3	231.6	018.5000	0114.0	082.3	46.77
035.0	100.0000	0346.0	075.8	230.8	018.5000	0114.6	081.5	47.04
036.0	100.0000	0353.2	076.3	230.0	018.5000	0115.2	080.6	47.31
037.0	100.0000	0360.1	076.8	229.2	018.5000	0115.7	079.8	47.56
038.0	100.0000	0366.1	077.3	228.3	018.5000	0116.3	079.2	47.78
039.0	100.0000	0371.1	077.6	227.3	018.5000	0116.8	078.6	47.97
040.0	100.0000	0375.2	077.9	226.4	018.5000	0117.3	078.1	48.13
041.0	100.0000	0378.4	078.2	225.4	018.5000	0117.8	077.8	48.26
042.0	100.0000	0381.1	078.4	224.4	018.5000	0118.3	077.5	48.36
043.0	100.0000	0382.9	078.5	223.4	018.5000	0118.7	077.4	48.43
044.0	100.0000	0383.6	078.5	222.4	018.5000	0118.9	077.3	48.44
045.0	100.0000	0382.2	078.4	221.4	018.5000	0119.0	077.5	48.39
046.0	100.0000	0378.6	078.2	220.4	018.5000	0118.9	077.9	48.28
047.0	100.0000	0373.3	077.8	219.4	018.5000	0118.8	078.5	48.11
048.0	100.0000	0367.4	077.4	218.5	018.5000	0118.5	079.1	47.91
049.0	100.0000	0362.1	077.0	217.6	018.5000	0118.0	079.7	47.70
050.0	100.0000	0358.2	076.7	216.7	018.5000	0117.6	080.3	47.51
051.0	100.0000	0355.9	076.5	215.8	018.5000	0117.2	080.8	47.35
052.0	100.0000	0355.4	076.5	214.9	018.5000	0116.6	081.2	47.20
053.0	100.0000	0355.6	076.5	214.0	018.5000	0115.8	081.6	47.05
054.0	100.0000	0356.5	076.6	213.2	018.5000	0114.7	082.0	46.88
055.0	100.0000	0357.8	076.7	212.3	018.5000	0113.4	082.5	46.70
056.0	100.0000	0359.6	076.8	211.4	018.5000	0111.8	082.9	46.50
057.0	100.0000	0361.4	076.9	210.5	018.5000	0109.7	083.4	46.27
058.0	100.0000	0363.2	077.1	209.7	018.5000	0107.3	083.9	46.01
059.0	100.0000	0364.9	077.2	208.8	018.5000	0104.4	084.4	45.72
060.0	100.0000	0366.1	077.3	208.0	018.5000	0101.4	085.1	45.40
061.0	100.0000	0365.9	077.2	207.3	018.5000	0098.3	085.8	45.05
062.0	100.0000	0365.0	077.2	206.6	018.5000	0095.4	086.6	44.68
063.0	100.0000	0364.5	077.1	205.9	018.5000	0092.3	087.5	44.31
064.0	100.0000	0366.0	077.3	205.1	018.5000	0089.1	088.2	43.96
065.0	100.0000	0368.5	077.4	204.4	018.5000	0086.1	089.0	43.63
066.0	100.0000	0370.3	077.6	203.7	018.5000	0083.6	089.8	43.30

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
067.0	100.0000	0370.9	077.6	203.0	018.5000	0081.7	090.7	42.98
068.0	100.0000	0371.2	077.6	202.4	018.5000	0080.5	091.6	42.69
069.0	100.0000	0371.6	077.7	201.8	018.5000	0079.9	092.6	42.42
070.0	100.0000	0371.8	077.7	201.3	018.5000	0079.8	093.6	42.16
071.0	100.0000	0371.7	077.7	200.8	018.5000	0079.9	094.6	41.92
072.0	100.0000	0371.2	077.6	200.3	018.5000	0080.2	095.7	41.67
073.0	100.0000	0370.3	077.6	199.8	018.5000	0080.4	096.8	41.42
074.0	100.0000	0369.3	077.5	199.4	018.5000	0080.4	098.0	41.17
075.0	100.0000	0368.3	077.4	199.0	018.5000	0080.4	099.1	40.91
076.0	100.0000	0367.7	077.4	198.6	018.5000	0080.2	100.3	40.65
077.0	100.0000	0367.7	077.4	198.2	018.5000	0079.9	101.4	40.39
078.0	100.0000	0368.0	077.4	197.8	018.5000	0079.5	102.6	40.14
079.0	100.0000	0367.9	077.4	197.4	018.5000	0079.2	103.8	39.88
080.0	100.0000	0367.7	077.4	197.1	018.5000	0078.8	105.0	39.63
081.0	100.0000	0366.1	077.3	196.8	018.5000	0078.6	106.3	39.37
082.0	100.0000	0363.0	077.0	196.6	018.5000	0078.5	107.6	39.11
083.0	100.0000	0360.1	076.8	196.5	018.5000	0078.4	108.9	38.86
084.0	100.0000	0357.4	076.6	196.3	018.5000	0078.4	110.2	38.61
085.0	100.0000	0356.8	076.6	196.1	018.5000	0078.4	111.5	38.38
086.0	100.0000	0356.4	076.6	195.8	018.5000	0078.5	112.7	38.15
087.0	100.0000	0355.7	076.5	195.7	018.5000	0078.7	114.0	37.92
088.0	100.0000	0356.0	076.5	195.4	018.5000	0078.9	115.3	37.70
089.0	100.0000	0356.9	076.6	195.2	018.5000	0079.3	116.6	37.49
090.0	100.0000	0357.7	076.6	195.0	018.5000	0079.6	117.8	37.28
091.0	100.0000	0358.4	076.7	194.9	018.5000	0080.0	119.1	37.07
092.0	100.0000	0358.5	076.7	194.7	018.5000	0080.3	120.4	36.85
093.0	100.0000	0357.9	076.7	194.6	018.5000	0080.5	121.8	36.63
094.0	100.0000	0357.1	076.6	194.5	018.5000	0080.7	123.1	36.40
095.0	100.0000	0355.4	076.5	194.5	018.5000	0080.8	124.4	36.17
096.0	100.0000	0352.2	076.2	194.5	018.5000	0080.8	125.8	35.93
097.0	100.0000	0349.0	076.0	194.5	018.5000	0080.7	127.1	35.68
098.0	100.0000	0346.2	075.8	194.5	018.5000	0080.6	128.5	35.44
099.0	100.0000	0344.1	075.7	194.6	018.5000	0080.6	129.8	35.19
100.0	100.0000	0343.7	075.6	194.5	018.5000	0080.7	131.1	34.94
101.0	100.0000	0343.7	075.6	194.5	018.5000	0080.8	132.4	34.69
102.0	100.0000	0344.3	075.7	194.4	018.5000	0080.9	133.8	34.45