Doug Vernier, Telecommunications Consultants
401 Main St., Ste 213, Cedar Falls, IA 50613

60 dBu Coverage to Las Cruces, New Mexico
Bd Of Regents, New Mexico St. Univ.

REFERENCE CH# 218A - 91.5 MHz, Pwr= 2.9 kW DA, HAAT= -35.9 M, COR= 1235 M DISPLAY DATES
32 16 58.5 N. Average Protected F(50-50)= 13.11 km DATA 04-29-16
106 44 49.7 W. Standard Directional SEARCH 04-29-16

CH CITY	CALL STATE	TYPE	ANT <--	AZI	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
218A	~~KRUX~~	CP	DCX	297.4	0.30	32 17 03.0	3.000	53.3	13.2	-66.1*	-65.5*
Las Cruces	NM			117.4	BPED20141126APH	106 45 00.0	-59	1215	Bd Of Regents, New Mexico		
218A	~~KRUX~~	LIC	_CN	297.4	0.30	32 17 03.0	1.000	35.6	10.2	-48.5*	-62.5*
Las Cruces	NM			117.4	BLED19890928KA	106 45 00.0	-59	1215	Bd Of Regents, New Mexico		
218A	1429619	APP	DCX	127.4	81.04	31 50 18.0	1.180	69.9	21.5	-4.5	5.8 <**
Horizon City	TX			307.8	BNPED20071022BGV	106 03 56.0	43	1414	Open Arms Community Of El		
219C2	KLAG	LIC	_CX	52.8	101.02	32 49 47.0	1.400	90.0	60.6	0.0	25.5
Alamogordo	NM			233.2	BMLED20131107AGU	105 53 10.0	512	2401	Educational Media Foundati		
220D	~~K220GF~~	LIC	_VN	354.7	13.60	32 24 17.0	0.006	0.2	8.0	0.3	3.8
Las Cruces	NM			174.7	BLFT19980209TE	106 45 38.0	169	1487	Pensacola Christian Colleg		
218A	1699035	APP	DCX	131.5	76.92	31 49 22.0	2.300	56.4	16.2	4.0	8.1
Horizon City	TX			311.8	BNPED20071019AHM	106 08 15.0	18	1305	Christian Ministries Of El		
218A	1398948	APP	DCX	131.6	76.80	31 49 21.0	2.300	56.0	16.0	4.3	8.2 <**
Horizon City	TX			312.0	BNPED20071019AHM	106 08 22.0	17	1303	Christian Ministries Of El		
220C3	KIHM-FM	CP	DCX	326.6	54.68	32 41 35.7	1.100	2.2	37.8	36.3	15.0
Hatch	NM			146.5	BMPED20120203ABV	107 04 06.9	331	1673	Ihr Educational Broadcasti		
219D	~~K219BX~~	LIC	_VN	154.8	57.40	31 48 55.0	0.010	18.8	12.0	19.4	16.9
El Paso, Etc.	TX			335.0	BLFT19930927TK	106 29 20.0	522	1790	Family Stations, Inc.		
218D	~~K218EF~~	CP	DC_	329.7	88.51	32 58 11.0	0.010	17.5	2.8	55.1	25.8
Truth Or Consequenc	NM			149.5	BPFT20130403AAG	107 13 31.0	792	2299	Advance Ministries Dba New		
271C	KPRR«	LIC	_EN	155.1	59.93	31 47 34.0	100.000	0.0	0.0	28.5R	31.4M
El Paso	TX			335.3	BLH19860813KB	106 28 47.0	363	1583	Cc Licenses, Llc		
216A	KVER	LIC	_CX	155.1	60.05	31 47 33.0	0.510	1.6	20.6	39.2	32.7
El Paso	TX			335.3	BMLED20160217ABA	106 28 48.0	340	1560	World Radio Network, Inc.		
216C2	KLCF	CP	DCX	329.7	88.51	32 58 10.0	1.200	2.3	46.5	70.2	39.9
Truth Or Consequenc	NM			149.4	BPED20150318AAR	107 13 33.0	780	2294	Educational Media Foundati		
218D	~~K218EF~~	LIC	_V_	332.8	105.56	33 07 36.0	0.071	16.8	5.2	72.9	43.2
Truth Or Consequenc	NM			152.6	BLFT20071004ACN	107 15 53.0	-85	1336	Advance Ministries Dba New		
216C3	KLCF	LIC	_CX	329.7	88.51	32 58 10.0	0.190	1.0	30.2	71.5	56.2
Truth Or Consequenc	NM			149.4	BLED20131030ADG	107 13 33.0	780	2294	Educational Media Foundati		

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= - Zone 2, Co to 3rd adjacent.
All separation margins (if shown) include rounding. Call signs with strikeout need not be protected.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside restricted contour.
« = Station meets FCC minimum distance spacing for its class.
Reference station has protected zone issue: Mexico
<** Application has been dismissed

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.

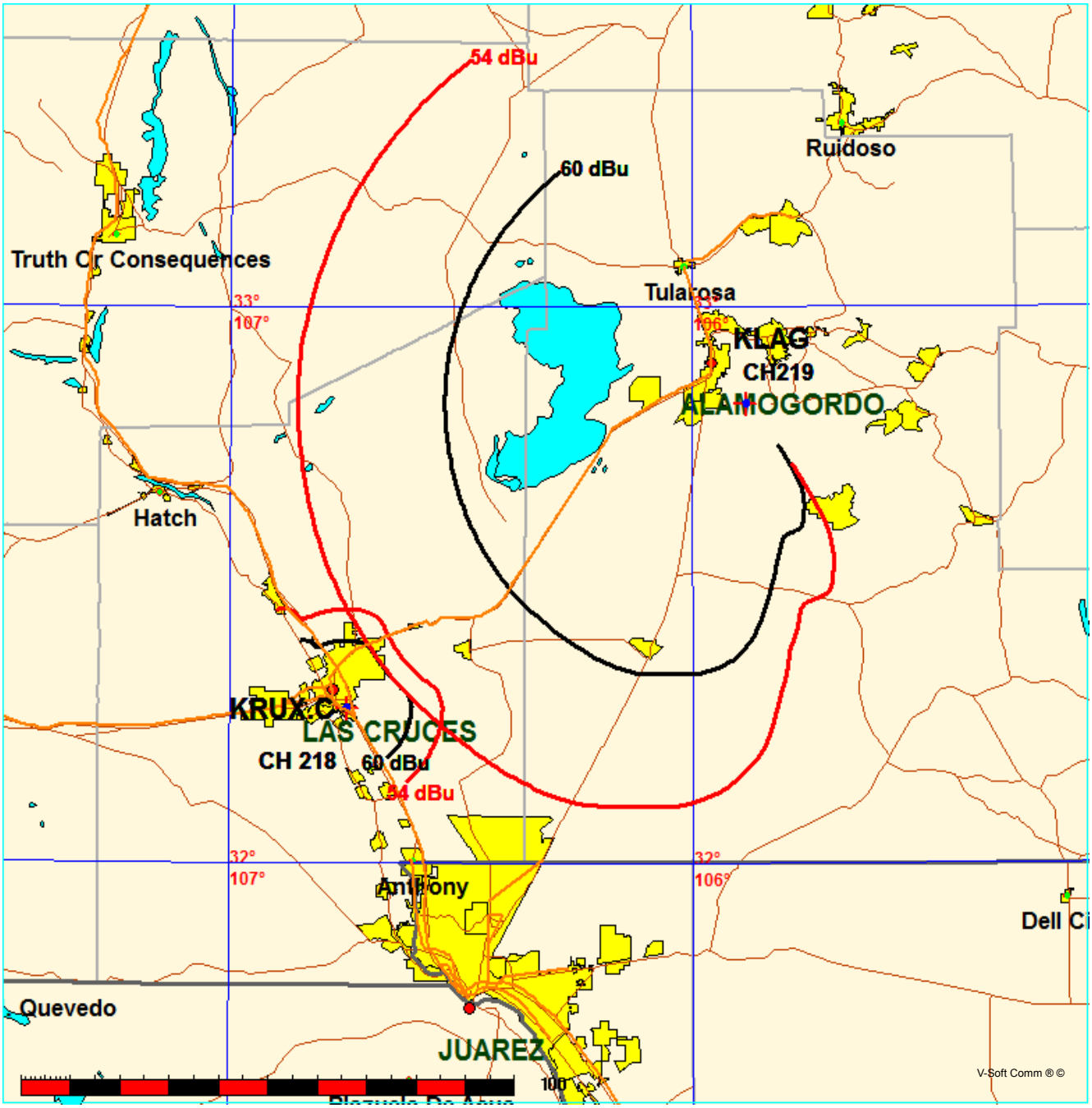
The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. “Z” indicates a 73.215 directional. An “N” indicates it is a 73.215 station that operates with an omni-directional antenna. The fifth letter will 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.

Contour-to-contour Map - KLAG
Bd Of Regents, New Mexico St. Univ.

FMCommander Single Allocation Study - 04-29-2016 - FCC NGDC 30 Sec
KRUX.C's Overlaps (In= -0.01 km, Out= 25.52 km)

KRUX.C CH 218 A DA
Lat= 32 16 58.5, Lng= 106 44 49.7
2.9 kW -35.9 m HAAT, 1235 m COR
Prot.= 60 dBu, Intef.= 54 dBu

KLAG CH 219 C2 BMLED20131107AGU
Lat= 32 49 47.0, Lng= 105 53 10.0
1.4 kW 512 m HAAT, 2401 m COR
Prot.= 60 dBu, Intef.= 54 dBu



04-29-2016 Terrain Data: FCC NGDC 30 Sec FMOver Analysis

KRUX.C

Channel = 218A
Max ERP = 2.9 kW
RCAMSL = 1235 m
N. Lat. 32 16 58.5
W. Lng. 106 44 49.7
Protected
60 dBu

KLAG BMLED20131107AGU

Channel = 219C2
Max ERP = 1.4 kW
RCAMSL = 2401 m
N. Lat. 32 49 47.0
W. Lng. 105 53 10.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
353.0	002.9000	-0051.3	013.1	240.1	001.4000	1103.3	095.1	52.68	
354.0	002.9000	-0054.5	013.1	240.0	001.4000	1103.2	094.9	52.74	
355.0	002.9000	-0057.4	013.1	240.0	001.4000	1103.2	094.7	52.80	
356.0	002.9000	-0059.0	013.1	239.9	001.4000	1103.2	094.5	52.86	
357.0	002.9000	-0059.8	013.1	239.8	001.4000	1103.1	094.3	52.92	
358.0	002.9000	-0060.0	013.1	239.8	001.4000	1103.1	094.1	52.98	
359.0	002.9000	-0059.7	013.1	239.7	001.4000	1103.0	093.9	53.04	
000.0	002.9000	-0059.9	013.1	239.6	001.4000	1103.0	093.7	53.09	
001.0	002.9000	-0060.1	013.1	239.6	001.4000	1102.9	093.5	53.15	
002.0	002.9000	-0060.3	013.1	239.5	001.4000	1102.9	093.3	53.21	
003.0	002.9000	-0060.8	013.1	239.4	001.4000	1102.8	093.1	53.26	
004.0	002.9000	-0061.1	013.1	239.3	001.4000	1102.8	092.9	53.32	
005.0	002.9000	-0061.6	013.1	239.2	001.4000	1102.7	092.7	53.37	
006.0	002.9000	-0062.3	013.1	239.2	001.4000	1102.6	092.5	53.42	
007.0	002.9000	-0063.0	013.1	239.1	001.4000	1102.6	092.4	53.47	
008.0	002.9000	-0063.7	013.1	239.0	001.4000	1102.5	092.2	53.52	
009.0	002.9000	-0064.6	013.1	238.9	001.4000	1102.4	092.0	53.57	
010.0	002.9000	-0065.9	013.1	238.8	001.4000	1102.3	091.8	53.62	
011.0	002.8711	-0067.5	013.1	238.7	001.4000	1102.2	091.7	53.66	
012.0	002.8366	-0069.6	013.0	238.6	001.4000	1102.1	091.5	53.70	
013.0	002.8079	-0072.0	013.0	238.5	001.4000	1101.9	091.4	53.74	
014.0	002.7795	-0074.4	013.0	238.3	001.4000	1101.8	091.3	53.78	
015.0	002.7512	-0076.4	012.9	238.2	001.4000	1101.7	091.1	53.82	
016.0	002.7174	-0077.8	012.9	238.1	001.4000	1101.5	091.0	53.85	
017.0	002.6894	-0079.0	012.9	238.0	001.4000	1101.4	090.9	53.88	
018.0	002.6615	-0080.1	012.8	237.9	001.4000	1101.2	090.8	53.92	
019.0	002.6283	-0081.3	012.8	237.7	001.4000	1101.1	090.7	53.95	
020.0	002.6007	-0082.9	012.8	237.6	001.4000	1100.9	090.5	53.98	
021.0	002.4974	-0084.5	012.7	237.5	001.4000	1100.7	090.5	53.99	
022.0	002.3909	-0086.3	012.5	237.3	001.4000	1100.5	090.5	53.99	
023.0	002.2919	-0088.2	012.4	237.1	001.4000	1100.2	090.5	53.99	
024.0	002.1900	-0090.4	012.3	237.0	001.4000	1100.0	090.5	53.99	
025.0	002.0953	-0092.3	012.1	236.8	001.4000	1099.8	090.5	53.99	
026.0	001.9978	-0093.9	012.0	236.7	001.4000	1099.6	090.5	53.99	
027.0	001.9027	-0095.1	011.9	236.5	001.4000	1099.3	090.5	53.98	
028.0	001.8145	-0096.3	011.7	236.3	001.4000	1099.1	090.5	53.97	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
029.0	001.7239	-0097.7	011.6	236.2	001.4000	1098.8	090.5	53.96
030.0	001.6400	-0099.6	011.5	236.0	001.4000	1098.6	090.6	53.95
031.0	001.6009	-0101.7	011.4	235.9	001.4000	1098.4	090.5	53.96
032.0	001.5667	-0103.9	011.3	235.8	001.4000	1098.1	090.5	53.96
033.0	001.5285	-0106.2	011.3	235.6	001.4000	1097.9	090.5	53.96
034.0	001.4950	-0108.6	011.2	235.5	001.4000	1097.7	090.5	53.97
035.0	001.4578	-0111.0	011.1	235.4	001.4000	1097.4	090.5	53.97
036.0	001.4251	-0113.6	011.1	235.3	001.4000	1097.2	090.5	53.97
037.0	001.3887	-0116.1	011.0	235.1	001.4000	1097.0	090.5	53.96
038.0	001.3568	-0118.4	010.9	235.0	001.4000	1096.7	090.5	53.96
039.0	001.3213	-0120.5	010.9	234.9	001.4000	1096.5	090.5	53.95
040.0	001.2902	-0122.4	010.8	234.7	001.4000	1096.3	090.5	53.95
041.0	001.2786	-0124.3	010.8	234.6	001.4000	1096.0	090.5	53.95
042.0	001.2709	-0126.3	010.8	234.5	001.4000	1095.8	090.5	53.96
043.0	001.2594	-0128.5	010.7	234.4	001.4000	1095.6	090.5	53.96
044.0	001.2480	-0130.8	010.7	234.3	001.4000	1095.3	090.4	53.96
045.0	001.2366	-0133.0	010.7	234.2	001.4000	1095.1	090.4	53.96
046.0	001.2290	-0135.4	010.7	234.0	001.4000	1094.9	090.4	53.96
047.0	001.2177	-0138.0	010.7	233.9	001.4000	1094.6	090.4	53.96
048.0	001.2065	-0140.7	010.6	233.8	001.4000	1094.4	090.4	53.96
049.0	001.1990	-0143.6	010.6	233.7	001.4000	1094.1	090.4	53.96
050.0	001.1878	-0146.6	010.6	233.6	001.4000	1093.9	090.4	53.95
051.0	001.1990	-0150.0	010.6	233.4	001.4000	1093.6	090.4	53.96
052.0	001.2065	-0153.6	010.6	233.3	001.4000	1093.3	090.4	53.96
053.0	001.2177	-0157.3	010.7	233.2	001.4000	1093.0	090.4	53.96
054.0	001.2290	-0160.8	010.7	233.1	001.4000	1092.7	090.3	53.97
055.0	001.2366	-0164.2	010.7	233.0	001.4000	1092.4	090.3	53.97
056.0	001.2480	-0167.5	010.7	232.9	001.4000	1092.1	090.3	53.97
057.0	001.2594	-0170.7	010.7	232.7	001.4000	1091.7	090.3	53.97
058.0	001.2709	-0174.4	010.8	232.6	001.4000	1091.4	090.3	53.97
059.0	001.2786	-0178.0	010.8	232.5	001.4000	1091.1	090.3	53.96
060.0	001.2902	-0181.5	010.8	232.4	001.4000	1090.8	090.3	53.96
061.0	001.3174	-0184.8	010.9	232.2	001.4000	1090.4	090.3	53.97
062.0	001.3449	-0188.0	010.9	232.1	001.4000	1090.0	090.3	53.97
063.0	001.3767	-0190.8	011.0	232.0	001.4000	1089.7	090.2	53.97
064.0	001.4048	-0193.3	011.0	231.9	001.4000	1089.3	090.2	53.97
065.0	001.4332	-0195.4	011.1	231.7	001.4000	1088.9	090.2	53.97
066.0	001.4619	-0198.0	011.1	231.6	001.4000	1088.6	090.2	53.97
067.0	001.4909	-0201.3	011.2	231.5	001.4000	1088.2	090.2	53.97
068.0	001.5243	-0205.4	011.3	231.4	001.4000	1087.8	090.2	53.96
069.0	001.5539	-0210.5	011.3	231.2	001.4000	1087.4	090.2	53.96
070.0	001.5838	-0216.2	011.4	231.1	001.4000	1087.0	090.2	53.95
071.0	001.6662	-0221.4	011.5	231.0	001.4000	1086.6	090.2	53.96
072.0	001.7508	-0224.9	011.6	230.8	001.4000	1086.1	090.1	53.98
073.0	001.8375	-0228.3	011.8	230.6	001.4000	1085.6	090.1	53.99
074.0	001.9263	-0232.6	011.9	230.5	001.4000	1085.2	090.0	53.99
075.0	002.0220	-0237.2	012.0	230.3	001.4000	1084.6	090.0	54.00
076.0	002.1150	-0240.7	012.2	230.2	001.4000	1084.1	090.0	54.00
077.0	002.2102	-0241.4	012.3	230.0	001.4000	1083.6	090.0	54.00
078.0	002.3074	-0241.9	012.4	229.9	001.4000	1083.1	089.9	54.00
079.0	002.4068	-0242.1	012.5	229.7	001.4000	1082.5	089.9	54.00

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
080.0	002.5082	-0242.6	012.7	229.5	001.4000	1081.9	089.9	53.99
081.0	002.5461	-0242.7	012.7	229.4	001.4000	1081.4	090.0	53.96
082.0	002.5843	-0242.0	012.8	229.3	001.4000	1080.9	090.1	53.94
083.0	002.6228	-0239.0	012.8	229.1	001.4000	1080.4	090.2	53.91
084.0	002.6615	-0236.0	012.8	229.0	001.4000	1079.9	090.3	53.88
085.0	002.7006	-0232.9	012.9	228.9	001.4000	1079.4	090.4	53.84
086.0	002.7399	-0229.5	012.9	228.7	001.4000	1078.9	090.5	53.81
087.0	002.7795	-0222.9	013.0	228.6	001.4000	1078.4	090.6	53.78
088.0	002.8194	-0213.4	013.0	228.5	001.4000	1078.0	090.7	53.74
089.0	002.8595	-0203.7	013.1	228.4	001.4000	1077.5	090.8	53.70
090.0	002.9000	-0196.2	013.1	228.2	001.4000	1077.0	090.9	53.67
091.0	002.9000	-0196.2	013.1	228.1	001.4000	1076.7	091.1	53.62
092.0	002.9000	-0196.1	013.1	228.0	001.4000	1076.3	091.2	53.57
093.0	002.9000	-0195.6	013.1	227.9	001.4000	1075.9	091.4	53.52
094.0	002.9000	-0189.8	013.1	227.8	001.4000	1075.6	091.6	53.47
095.0	002.9000	-0183.2	013.1	227.7	001.4000	1075.2	091.7	53.42
096.0	002.9000	-0176.4	013.1	227.6	001.4000	1074.9	091.9	53.36
097.0	002.9000	-0170.9	013.1	227.5	001.4000	1074.5	092.1	53.31
098.0	002.9000	-0169.8	013.1	227.4	001.4000	1074.2	092.3	53.26
099.0	002.9000	-0168.5	013.1	227.4	001.4000	1073.9	092.4	53.20
100.0	002.9000	-0167.0	013.1	227.3	001.4000	1073.6	092.6	53.15
101.0	002.9000	-0161.8	013.1	227.2	001.4000	1073.3	092.8	53.09
102.0	002.9000	-0154.4	013.1	227.1	001.4000	1073.0	093.0	53.03
103.0	002.9000	-0147.2	013.1	227.0	001.4000	1072.7	093.2	52.98
104.0	002.9000	-0140.5	013.1	226.9	001.4000	1072.5	093.4	52.92
105.0	002.9000	-0135.4	013.1	226.9	001.4000	1072.2	093.6	52.86
106.0	002.9000	-0131.1	013.1	226.8	001.4000	1071.9	093.8	52.80
107.0	002.9000	-0126.2	013.1	226.7	001.4000	1071.7	094.0	52.74
108.0	002.9000	-0122.3	013.1	226.7	001.4000	1071.4	094.2	52.68
109.0	002.9000	-0119.3	013.1	226.6	001.4000	1071.2	094.4	52.62
110.0	002.9000	-0116.7	013.1	226.5	001.4000	1071.0	094.6	52.55
111.0	002.9000	-0110.9	013.1	226.5	001.4000	1070.7	094.8	52.49
112.0	002.9000	-0102.3	013.1	226.4	001.4000	1070.5	095.0	52.43

04-29-2016 Terrain Data: FCC NGDC 30 Sec FMOver Analysis

KLAG BMLED20131107AGU	KRUX.C
Channel = 219C2	Channel = 218A
Max ERP = 1.4 kW	Max ERP = 2.9 kW
RCAMSL = 2401 m	RCAMSL = 1235 m
N. Lat. 32 49 47.0	N. Lat. 32 16 58.5
W. Lng. 105 53 10.0	W. Lng. 106 44 49.7
Protected	Interfering
60 dBu	54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
173.0	001.4000	0400.1	038.7	075.1	002.0307	-0237.6	088.4	31.41	
174.0	001.4000	0434.1	040.2	076.0	002.1141	-0240.6	087.6	31.77	
175.0	001.4000	0472.8	041.9	077.1	002.2180	-0241.4	086.6	32.17	
176.0	001.4000	0511.1	043.8	078.2	002.3300	-0241.9	085.6	32.59	
177.0	001.4000	0542.9	045.4	079.2	002.4304	-0242.2	084.7	32.97	
178.0	001.4000	0573.1	046.8	080.1	002.5115	-0242.7	083.7	33.31	
179.0	001.4000	0605.8	048.0	080.9	002.5422	-0242.7	082.7	33.57	
180.0	001.4000	0633.3	049.1	081.5	002.5662	-0242.5	081.7	33.81	
181.0	001.4000	0660.6	050.1	082.1	002.5891	-0241.8	080.7	34.05	
182.0	001.4000	0687.6	051.0	082.7	002.6108	-0240.2	079.7	34.28	
183.0	001.4000	0711.1	051.8	083.1	002.6283	-0238.5	078.7	34.51	
184.0	001.4000	0729.5	052.4	083.5	002.6403	-0237.6	077.7	34.72	
185.0	001.4000	0748.1	052.9	083.8	002.6518	-0236.7	076.7	34.93	
186.0	001.4000	0766.8	053.5	084.0	002.6626	-0235.9	075.7	35.14	
187.0	001.4000	0783.6	054.0	084.2	002.6710	-0235.2	074.7	35.34	
188.0	001.4000	0798.4	054.4	084.4	002.6769	-0234.8	073.7	35.53	
189.0	001.4000	0813.6	054.8	084.5	002.6824	-0234.3	072.6	35.73	
190.0	001.4000	0825.8	055.1	084.6	002.6847	-0234.2	071.6	35.91	
191.0	001.4000	0836.8	055.4	084.6	002.6851	-0234.1	070.6	36.09	
192.0	001.4000	0847.4	055.7	084.6	002.6846	-0234.2	069.6	36.27	
193.0	001.4000	0856.5	055.9	084.5	002.6820	-0234.4	068.6	36.45	
194.0	001.4000	0864.2	056.1	084.4	002.6775	-0234.7	067.6	36.62	
195.0	001.4000	0873.5	056.3	084.3	002.6734	-0235.0	066.6	36.79	
196.0	001.4000	0885.8	056.6	084.2	002.6705	-0235.3	065.6	36.98	
197.0	001.4000	0900.3	056.9	084.2	002.6680	-0235.5	064.6	37.17	
198.0	001.4000	0915.9	057.2	084.1	002.6650	-0235.7	063.5	37.36	
199.0	001.4000	0932.0	057.6	084.0	002.6612	-0236.0	062.5	37.56	
200.0	001.4000	0947.9	057.9	083.9	002.6563	-0236.4	061.4	37.76	
201.0	001.4000	0962.6	058.2	083.7	002.6495	-0236.9	060.4	37.96	
202.0	001.4000	0975.9	058.4	083.5	002.6407	-0237.6	059.4	38.15	
203.0	001.4000	0987.4	058.7	083.2	002.6296	-0238.4	058.4	38.34	
204.0	001.4000	0997.5	058.9	082.8	002.6165	-0239.7	057.4	38.53	
205.0	001.4000	1006.1	059.0	082.4	002.6012	-0241.1	056.4	38.71	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
206.0	001.4000	1013.3	059.2	082.0	002.5837	-0242.0	055.5	38.88
207.0	001.4000	1019.1	059.3	081.5	002.5641	-0242.5	054.6	39.04
208.0	001.4000	1023.8	059.4	080.9	002.5426	-0242.7	053.7	39.20
209.0	001.4000	1027.8	059.4	080.3	002.5193	-0242.7	052.8	39.35
210.0	001.4000	1031.6	059.5	079.6	002.4713	-0242.4	052.0	39.45
211.0	001.4000	1035.0	059.6	078.9	002.4006	-0242.1	051.1	39.50
212.0	001.4000	1037.7	059.6	078.2	002.3259	-0241.9	050.3	39.54
213.0	001.4000	1039.9	059.7	077.4	002.2476	-0241.6	049.5	39.56
214.0	001.4000	1041.6	059.7	076.5	002.1660	-0241.2	048.8	39.56
215.0	001.4000	1043.3	059.7	075.6	002.0820	-0239.8	048.1	39.54
216.0	001.4000	1044.9	059.8	074.7	001.9944	-0235.8	047.4	39.51
217.0	001.4000	1046.4	059.8	073.7	001.9028	-0231.4	046.7	39.46
218.0	001.4000	1048.0	059.8	072.7	001.8129	-0227.2	046.1	39.40
219.0	001.4000	1049.8	059.8	071.7	001.7219	-0223.8	045.5	39.33
220.0	001.4000	1052.2	059.9	070.6	001.6302	-0219.3	044.9	39.25
221.0	001.4000	1054.6	059.9	069.4	001.5667	-0213.0	044.3	39.22
222.0	001.4000	1056.9	060.0	068.3	001.5318	-0206.6	043.8	39.27
223.0	001.4000	1059.4	060.0	067.0	001.4921	-0201.5	043.3	39.29
224.0	001.4000	1062.5	060.1	065.8	001.4557	-0197.4	042.8	39.31
225.0	001.4000	1065.6	060.1	064.5	001.4189	-0194.3	042.4	39.33
226.0	001.4000	1069.0	060.2	063.2	001.3816	-0191.3	042.0	39.33
227.0	001.4000	1072.6	060.3	061.8	001.3399	-0187.4	041.6	39.30
228.0	001.4000	1076.2	060.3	060.4	001.3018	-0182.9	041.3	39.27
229.0	001.4000	1079.9	060.4	059.0	001.2787	-0178.1	041.0	39.28
230.0	001.4000	1083.5	060.5	057.6	001.2660	-0172.8	040.8	39.30
231.0	001.4000	1086.7	060.5	056.1	001.2492	-0167.8	040.6	39.30
232.0	001.4000	1089.7	060.6	054.6	001.2337	-0162.9	040.5	39.29
233.0	001.4000	1092.5	060.6	053.1	001.2191	-0157.8	040.4	39.26
234.0	001.4000	1094.8	060.7	051.6	001.2037	-0152.3	040.4	39.22
235.0	001.4000	1096.7	060.7	050.1	001.1892	-0147.0	040.4	39.16
236.0	001.4000	1098.5	060.7	048.6	001.2018	-0142.5	040.5	39.18
237.0	001.4000	1100.1	060.8	047.1	001.2162	-0138.4	040.6	39.19
238.0	001.4000	1101.4	060.8	045.7	001.2316	-0134.6	040.8	39.19
239.0	001.4000	1102.5	060.8	044.2	001.2456	-0131.2	041.0	39.18
240.0	001.4000	1103.2	060.8	042.8	001.2620	-0128.0	041.3	39.15
241.0	001.4000	1103.9	060.8	041.4	001.2757	-0125.0	041.6	39.10
242.0	001.4000	1104.5	060.8	040.0	001.2901	-0122.4	041.9	39.04
243.0	001.4000	1105.2	060.8	038.7	001.3330	-0119.8	042.3	39.07
244.0	001.4000	1105.9	060.9	037.4	001.3770	-0117.0	042.8	39.08
245.0	001.4000	1106.5	060.9	036.1	001.4213	-0113.8	043.3	39.09
246.0	001.4000	1107.0	060.9	034.9	001.4622	-0110.7	043.8	39.07
247.0	001.4000	1107.4	060.9	033.7	001.5050	-0107.9	044.3	39.04
248.0	001.4000	1107.8	060.9	032.6	001.5452	-0105.2	044.9	39.00
249.0	001.4000	1108.4	060.9	031.5	001.5849	-0102.7	045.5	38.96
250.0	001.4000	1108.9	060.9	030.4	001.6238	-0100.4	046.2	38.90
251.0	001.4000	1109.2	060.9	029.4	001.6893	-0098.4	046.9	38.91
252.0	001.4000	1109.1	060.9	028.5	001.7733	-0096.9	047.6	38.96
253.0	001.4000	1108.8	060.9	027.5	001.8544	-0095.7	048.3	38.99
254.0	001.4000	1108.1	060.9	026.7	001.9325	-0094.8	049.1	39.00
255.0	001.4000	1107.5	060.9	025.9	002.0107	-0093.7	049.9	39.00
256.0	001.4000	1107.1	060.9	025.1	002.0867	-0092.5	050.7	38.98

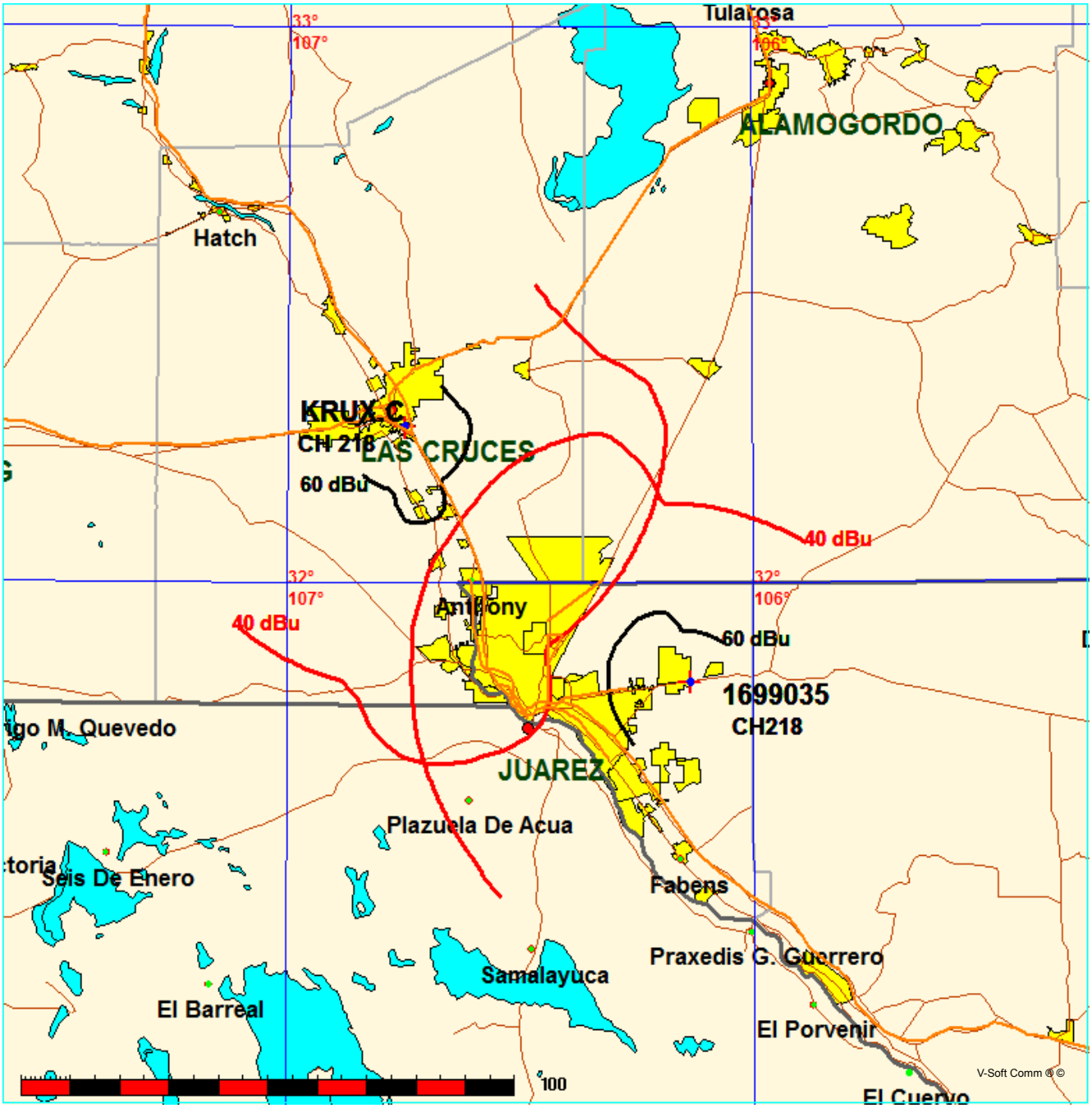
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
257.0	001.4000	1106.7	060.9	024.3	002.1568	-0091.1	051.5	38.95
258.0	001.4000	1106.3	060.9	023.6	002.2254	-0089.6	052.4	38.90
259.0	001.4000	1105.7	060.8	023.0	002.2925	-0088.2	053.3	38.84
260.0	001.4000	1104.9	060.8	022.4	002.3532	-0087.0	054.1	38.76
261.0	001.4000	1104.0	060.8	021.8	002.4120	-0085.9	055.1	38.67
262.0	001.4000	1103.6	060.8	021.3	002.4705	-0085.0	056.0	38.58
263.0	001.4000	1103.5	060.8	020.7	002.5250	-0084.1	056.9	38.47
264.0	001.4000	1103.8	060.8	020.2	002.5760	-0083.2	057.8	38.36
265.0	001.4000	1104.5	060.8	019.8	002.6070	-0082.5	058.8	38.22
266.0	001.4000	1104.9	060.8	019.3	002.6189	-0081.8	059.8	38.04
267.0	001.4000	1105.1	060.8	018.9	002.6303	-0081.3	060.7	37.86
268.0	001.4000	1105.2	060.8	018.6	002.6426	-0080.8	061.7	37.68
269.0	001.4000	1104.9	060.8	018.2	002.6537	-0080.3	062.7	37.50
270.0	001.4000	1104.6	060.8	017.9	002.6636	-0080.0	063.7	37.32
271.0	001.4000	1104.2	060.8	017.6	002.6715	-0079.7	064.7	37.14
272.0	001.4000	1103.7	060.8	017.4	002.6786	-0079.4	065.8	36.97
273.0	001.4000	1103.5	060.8	017.1	002.6853	-0079.1	066.8	36.79
274.0	001.4000	1103.3	060.8	016.9	002.6913	-0078.9	067.8	36.61
275.0	001.4000	1103.1	060.8	016.7	002.6968	-0078.7	068.8	36.43
276.0	001.4000	1102.5	060.8	016.6	002.7015	-0078.5	069.9	36.25
277.0	001.4000	1101.3	060.8	016.4	002.7054	-0078.3	070.9	36.07
278.0	001.4000	1099.2	060.7	016.3	002.7084	-0078.2	072.0	35.88
279.0	001.4000	1097.1	060.7	016.2	002.7110	-0078.1	073.0	35.70
280.0	001.4000	1095.0	060.7	016.2	002.7130	-0078.0	074.1	35.51
281.0	001.4000	1092.7	060.6	016.1	002.7146	-0077.9	075.2	35.32
282.0	001.4000	1090.5	060.6	016.1	002.7158	-0077.9	076.2	35.13
283.0	001.4000	1088.1	060.5	016.0	002.7164	-0077.9	077.3	34.93
284.0	001.4000	1085.5	060.5	016.0	002.7166	-0077.8	078.3	34.73
285.0	001.4000	1082.8	060.4	016.0	002.7164	-0077.9	079.4	34.52
286.0	001.4000	1080.1	060.4	016.1	002.7158	-0077.9	080.4	34.31
287.0	001.4000	1077.6	060.4	016.1	002.7149	-0077.9	081.5	34.10
288.0	001.4000	1075.3	060.3	016.1	002.7137	-0078.0	082.5	33.88
289.0	001.4000	1073.2	060.3	016.2	002.7124	-0078.0	083.6	33.67
290.0	001.4000	1071.4	060.2	016.2	002.7108	-0078.1	084.6	33.45
291.0	001.4000	1069.8	060.2	016.3	002.7089	-0078.2	085.7	33.23
292.0	001.4000	1068.4	060.2	016.4	002.7068	-0078.3	086.7	33.02

Contour-to-contour Map - APP 1699035
Bd Of Regents, New Mexico St. Univ.

FMCommander Single Allocation Study - 04-29-2016 - FCC NGDC 30 Sec
KRUX.C's Overlaps (In= 4.01 km, Out= 8.09 km)

KRUX.C CH 218 A DA
Lat= 32 16 58.5, Lng= 106 44 49.7
2.9 kW -35.9 m HAAT, 1235 m COR
Prot.= 60 dBu, Intef.= 40 dBu

1699035 CH 218 A DA BNPED20071019AHM
Lat= 31 49 22.0, Lng= 106 08 15.0
2.3 kW 18 m HAAT, 1305 m COR
Prot.= 60 dBu, Intef.= 40 dBu



04-29-2016 Terrain Data: FCC NGDC 30 Sec FMOver Analysis

KRUX.C 1699035 BNPED20071019AHM

Channel = 218A
Max ERP = 2.9 kW
RCAMSL = 1235 m
N. Lat. 32 16 58.5
W. Lng. 106 44 49.7
Protected
60 dBu

Channel = 218A
Max ERP = 2.3 kW
RCAMSL = 1305 m
N. Lat. 31 49 22.0
W. Lng. 106 08 15.0
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
072.0	001.7508	-0224.9	011.6	319.9	001.1466	0073.2	071.7	35.47	
073.0	001.8375	-0228.3	011.8	319.9	001.1465	0073.2	071.5	35.53	
074.0	001.9263	-0232.6	011.9	319.9	001.1465	0073.2	071.2	35.60	
075.0	002.0220	-0237.2	012.0	320.0	001.1464	0073.2	071.0	35.66	
076.0	002.1150	-0240.7	012.2	320.0	001.1464	0073.2	070.8	35.73	
077.0	002.2102	-0241.4	012.3	320.0	001.1464	0073.2	070.5	35.79	
078.0	002.3074	-0241.9	012.4	320.0	001.1464	0073.2	070.3	35.86	
079.0	002.4068	-0242.1	012.5	320.0	001.1464	0073.2	070.0	35.93	
080.0	002.5082	-0242.6	012.7	320.0	001.1464	0073.2	069.8	36.00	
081.0	002.5461	-0242.7	012.7	320.0	001.1465	0073.2	069.5	36.06	
082.0	002.5843	-0242.0	012.8	319.9	001.1465	0073.2	069.3	36.11	
083.0	002.6228	-0239.0	012.8	319.8	001.1466	0073.2	069.1	36.17	
084.0	002.6615	-0236.0	012.8	319.8	001.1467	0073.3	068.9	36.23	
085.0	002.7006	-0232.9	012.9	319.7	001.1468	0073.3	068.7	36.29	
086.0	002.7399	-0229.5	012.9	319.6	001.1469	0073.3	068.5	36.35	
087.0	002.7795	-0222.9	013.0	319.5	001.1470	0073.3	068.3	36.41	
088.0	002.8194	-0213.4	013.0	319.4	001.1472	0073.3	068.1	36.46	
089.0	002.8595	-0203.7	013.1	319.3	001.1473	0073.3	067.9	36.52	
090.0	002.9000	-0196.2	013.1	319.2	001.1474	0073.3	067.7	36.58	
091.0	002.9000	-0196.2	013.1	319.1	001.1476	0073.4	067.5	36.63	
092.0	002.9000	-0196.1	013.1	319.0	001.1477	0073.4	067.3	36.67	
093.0	002.9000	-0195.6	013.1	318.8	001.1479	0073.4	067.2	36.72	
094.0	002.9000	-0189.8	013.1	318.7	001.1481	0073.4	067.0	36.77	
095.0	002.9000	-0183.2	013.1	318.6	001.1483	0073.5	066.8	36.81	
096.0	002.9000	-0176.4	013.1	318.4	001.1485	0073.5	066.7	36.86	
097.0	002.9000	-0170.9	013.1	318.3	001.1487	0073.5	066.5	36.90	
098.0	002.9000	-0169.8	013.1	318.1	001.1489	0073.5	066.4	36.94	
099.0	002.9000	-0168.5	013.1	318.0	001.1491	0073.5	066.2	36.99	
100.0	002.9000	-0167.0	013.1	317.8	001.1493	0073.5	066.1	37.03	
101.0	002.9000	-0161.8	013.1	317.6	001.1495	0073.6	066.0	37.07	
102.0	002.9000	-0154.4	013.1	317.5	001.1497	0073.6	065.8	37.10	
103.0	002.9000	-0147.2	013.1	317.3	001.1499	0073.6	065.7	37.14	
104.0	002.9000	-0140.5	013.1	317.1	001.1501	0073.6	065.6	37.18	
105.0	002.9000	-0135.4	013.1	317.0	001.1503	0073.6	065.5	37.21	
106.0	002.9000	-0131.1	013.1	316.8	001.1506	0073.6	065.3	37.25	
107.0	002.9000	-0126.2	013.1	316.6	001.1508	0073.6	065.2	37.28	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
108.0	002.9000	-0122.3	013.1	316.5	001.1510	0073.6	065.1	37.31
109.0	002.9000	-0119.3	013.1	316.3	001.1512	0073.6	065.0	37.34
110.0	002.9000	-0116.7	013.1	316.1	001.1515	0073.6	064.9	37.37
111.0	002.9000	-0110.9	013.1	315.9	001.1517	0073.6	064.8	37.40
112.0	002.9000	-0102.3	013.1	315.7	001.1520	0073.6	064.7	37.42
113.0	002.9000	-0094.3	013.1	315.5	001.1522	0073.6	064.6	37.45
114.0	002.9000	-0088.0	013.1	315.4	001.1524	0073.6	064.5	37.47
115.0	002.9000	-0083.6	013.1	315.2	001.1527	0073.6	064.5	37.50
116.0	002.9000	-0078.6	013.1	315.0	001.1529	0073.6	064.4	37.52
117.0	002.9000	-0073.6	013.1	314.8	001.1526	0073.6	064.3	37.54
118.0	002.9000	-0069.0	013.1	314.6	001.1524	0073.6	064.2	37.55
119.0	002.9000	-0065.3	013.1	314.4	001.1521	0073.6	064.2	37.57
120.0	002.9000	-0062.0	013.1	314.2	001.1519	0073.6	064.1	37.58
121.0	002.9000	-0059.2	013.1	314.0	001.1516	0073.6	064.1	37.60
122.0	002.9000	-0057.6	013.1	313.8	001.1513	0073.5	064.0	37.61
123.0	002.9000	-0056.6	013.1	313.6	001.1511	0073.5	064.0	37.62
124.0	002.9000	-0055.2	013.1	313.4	001.1508	0073.5	063.9	37.63
125.0	002.9000	-0052.8	013.1	313.2	001.1505	0073.5	063.9	37.64
126.0	002.9000	-0049.2	013.1	313.0	001.1503	0073.5	063.9	37.65
127.0	002.9000	-0045.0	013.1	312.8	001.1500	0073.5	063.9	37.65
128.0	002.9000	-0040.8	013.1	312.6	001.1497	0073.5	063.8	37.65
129.0	002.9000	-0036.7	013.1	312.4	001.1495	0073.5	063.8	37.66
130.0	002.9000	-0033.2	013.1	312.2	001.1492	0073.5	063.8	37.66
131.0	002.9000	-0030.3	013.1	312.0	001.1489	0073.5	063.8	37.66
132.0	002.9000	-0027.6	013.1	311.7	001.1487	0073.5	063.8	37.66
133.0	002.9000	-0024.8	013.1	311.5	001.1484	0073.5	063.8	37.66
134.0	002.9000	-0021.6	013.1	311.3	001.1481	0073.5	063.8	37.65
135.0	002.9000	-0018.1	013.1	311.1	001.1479	0073.5	063.8	37.65
136.0	002.9000	-0014.7	013.1	310.9	001.1476	0073.5	063.9	37.64
137.0	002.9000	-0011.2	013.1	310.7	001.1473	0073.5	063.9	37.63
138.0	002.9000	-0007.3	013.1	310.5	001.1471	0073.5	063.9	37.62
139.0	002.9000	-0002.9	013.1	310.3	001.1468	0073.5	063.9	37.61
140.0	002.9000	0001.7	013.1	310.1	001.1466	0073.5	064.0	37.60
141.0	002.9000	0006.0	013.1	309.9	001.1463	0073.5	064.0	37.59
142.0	002.9000	0009.7	013.1	309.7	001.1460	0073.5	064.1	37.57
143.0	002.9000	0013.3	013.1	309.5	001.1458	0073.5	064.1	37.56
144.0	002.9000	0017.0	013.1	309.3	001.1455	0073.5	064.2	37.54
145.0	002.9000	0020.7	013.1	309.1	001.1453	0073.5	064.2	37.52
146.0	002.9000	0024.3	013.1	308.9	001.1450	0073.5	064.3	37.51
147.0	002.9000	0027.9	013.1	308.7	001.1448	0073.5	064.4	37.49
148.0	002.9000	0031.7	013.4	308.4	001.1444	0073.5	064.2	37.55
149.0	002.9000	0036.0	014.2	308.0	001.1438	0073.6	063.5	37.73
150.0	002.9000	0040.3	015.1	307.5	001.1431	0073.6	062.8	37.93
151.0	002.9000	0044.3	015.9	307.0	001.1425	0073.6	062.2	38.12
152.0	002.9000	0047.7	016.6	306.4	001.1418	0073.7	061.6	38.28
153.0	002.9000	0050.9	017.3	305.9	001.1411	0073.8	061.2	38.42
154.0	002.9000	0054.1	017.8	305.4	001.1404	0073.9	060.8	38.55
155.0	002.9000	0056.8	018.3	304.9	001.1397	0074.1	060.6	38.63
156.0	002.9000	0058.8	018.6	304.5	001.1382	0074.2	060.5	38.68
157.0	002.9000	0060.4	018.9	304.1	001.1368	0074.3	060.4	38.69
158.0	002.9000	0061.5	019.0	303.8	001.1356	0074.4	060.5	38.67

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
159.0	002.9000	0062.4	019.2	303.5	001.1344	0074.5	060.6	38.65
160.0	002.9000	0063.1	019.3	303.1	001.1333	0074.6	060.7	38.61
161.0	002.9000	0063.9	019.4	302.8	001.1322	0074.7	060.8	38.58
162.0	002.9000	0064.6	019.5	302.5	001.1311	0074.8	061.0	38.53
163.0	002.9000	0065.1	019.5	302.2	001.1301	0074.8	061.1	38.48
164.0	002.9000	0065.3	019.6	302.0	001.1292	0074.9	061.3	38.42
165.0	002.9000	0065.4	019.6	301.7	001.1283	0074.9	061.6	38.35
166.0	002.9000	0065.4	019.6	301.5	001.1275	0075.0	061.8	38.28
167.0	002.9000	0065.6	019.6	301.3	001.1267	0075.0	062.0	38.21
168.0	002.9000	0066.0	019.7	301.0	001.1258	0075.1	062.2	38.15
169.0	002.9000	0066.3	019.7	300.8	001.1249	0075.2	062.4	38.08
170.0	002.9000	0066.6	019.7	300.5	001.1241	0075.2	062.7	38.01
171.0	002.9000	0066.5	019.7	300.4	001.1234	0075.3	063.0	37.94
172.0	002.9000	0066.2	019.7	300.2	001.1228	0075.4	063.3	37.85
173.0	002.9000	0065.9	019.6	300.0	001.1223	0075.5	063.6	37.77
174.0	002.9000	0065.6	019.6	299.9	001.1218	0075.5	063.9	37.68
175.0	002.9000	0065.4	019.6	299.7	001.1212	0075.6	064.1	37.60
176.0	002.9000	0064.6	019.5	299.6	001.1209	0075.7	064.5	37.51
177.0	002.9000	0063.6	019.3	299.6	001.1207	0075.7	064.9	37.41
178.0	002.9000	0062.6	019.2	299.5	001.1205	0075.7	065.2	37.31
179.0	002.9000	0061.3	019.0	299.5	001.1205	0075.7	065.6	37.20
180.0	002.9000	0059.9	018.8	299.5	001.1205	0075.7	066.0	37.10
181.0	002.9000	0058.5	018.6	299.6	001.1206	0075.7	066.4	36.99
182.0	002.9000	0055.8	018.1	299.8	001.1213	0075.6	066.9	36.85
183.0	002.9000	0052.9	017.6	300.0	001.1223	0075.5	067.4	36.70
184.0	002.9000	0050.2	017.1	300.3	001.1233	0075.3	067.9	36.56
185.0	002.9000	0048.3	016.7	300.5	001.1240	0075.3	068.3	36.44
186.0	002.9000	0046.0	016.2	300.8	001.1249	0075.2	068.8	36.31
187.0	002.9000	0043.2	015.6	301.1	001.1261	0075.0	069.3	36.17
188.0	002.9000	0039.7	014.9	301.6	001.1277	0074.9	069.8	36.03
189.0	002.9000	0036.4	014.3	302.0	001.1292	0074.9	070.3	35.89
190.0	002.9000	0034.1	013.9	302.2	001.1301	0074.8	070.7	35.79
191.0	002.9000	0032.9	013.6	302.3	001.1304	0074.8	071.0	35.71

04-29-2016 Terrain Data: FCC NGDC 30 Sec FMOver Analysis

1699035 BNPED20071019AHM

Channel = 218A
Max ERP = 2.3 kW
RCAMSL = 1305 m
N. Lat. 31 49 22.0
W. Lng. 106 08 15.0
Protected
60 dBu

KRUX.C

Channel = 218A
Max ERP = 2.9 kW
RCAMSL = 1235 m
N. Lat. 32 16 58.5
W. Lng. 106 44 49.7
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
252.0	000.9486	0082.8	016.5	143.2	002.9000	0014.2	070.1	36.52	
253.0	000.9474	0082.9	016.5	143.2	002.9000	0013.9	069.8	36.57	
254.0	000.9462	0082.9	016.5	143.1	002.9000	0013.6	069.6	36.61	
255.0	000.9450	0083.0	016.5	143.0	002.9000	0013.3	069.3	36.66	
256.0	000.9468	0083.1	016.5	142.9	002.9000	0013.1	069.0	36.71	
257.0	000.9486	0083.2	016.5	142.8	002.9000	0012.8	068.8	36.76	
258.0	000.9503	0083.3	016.5	142.8	002.9000	0012.5	068.5	36.81	
259.0	000.9521	0083.2	016.5	142.7	002.9000	0012.1	068.2	36.86	
260.0	000.9539	0083.1	016.5	142.5	002.9000	0011.7	068.0	36.90	
261.0	000.9557	0083.0	016.5	142.4	002.9000	0011.2	067.7	36.95	
262.0	000.9575	0082.9	016.5	142.3	002.9000	0010.8	067.5	37.00	
263.0	000.9592	0082.7	016.5	142.2	002.9000	0010.4	067.2	37.04	
264.0	000.9610	0082.5	016.5	142.0	002.9000	0009.8	067.0	37.08	
265.0	000.9628	0082.2	016.5	141.9	002.9000	0009.3	066.8	37.13	
266.0	000.9670	0082.0	016.5	141.7	002.9000	0008.8	066.5	37.17	
267.0	000.9712	0081.9	016.5	141.6	002.9000	0008.3	066.3	37.21	
268.0	000.9753	0081.8	016.5	141.5	002.9000	0007.8	066.0	37.26	
269.0	000.9795	0081.7	016.5	141.3	002.9000	0007.3	065.8	37.30	
270.0	000.9837	0081.6	016.5	141.2	002.9000	0006.7	065.6	37.34	
271.0	000.9880	0081.5	016.5	141.0	002.9000	0006.1	065.3	37.39	
272.0	000.9922	0081.4	016.5	140.9	002.9000	0005.5	065.1	37.43	
273.0	000.9964	0081.4	016.5	140.7	002.9000	0004.8	064.9	37.47	
274.0	001.0007	0081.2	016.5	140.5	002.9000	0004.1	064.7	37.51	
275.0	001.0049	0081.1	016.5	140.4	002.9000	0003.4	064.5	37.55	
276.0	001.0104	0081.0	016.5	140.2	002.9000	0002.6	064.2	37.59	
277.0	001.0159	0081.1	016.6	140.0	002.9000	0001.9	064.0	37.63	
278.0	001.0214	0081.3	016.6	139.9	002.9000	0001.2	063.8	37.68	
279.0	001.0269	0081.6	016.7	139.7	002.9000	0000.4	063.5	37.73	
280.0	001.0325	0081.9	016.8	139.5	002.9000	-0000.3	063.3	37.77	
281.0	001.0380	0081.9	016.8	139.4	002.9000	-0001.2	063.1	37.81	
282.0	001.0436	0081.8	016.8	139.2	002.9000	-0002.2	062.9	37.85	
283.0	001.0492	0081.4	016.8	138.9	002.9000	-0003.2	062.8	37.88	
284.0	001.0548	0081.1	016.8	138.7	002.9000	-0004.2	062.6	37.91	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
285.0	001.0604	0080.8	016.7	138.5	002.9000	-0005.2	062.4	37.94
286.0	001.0648	0080.4	016.7	138.2	002.9000	-0006.3	062.3	37.97
287.0	001.0692	0080.0	016.7	138.0	002.9000	-0007.3	062.2	37.99
288.0	001.0736	0079.7	016.7	137.8	002.9000	-0008.3	062.0	38.02
289.0	001.0780	0079.5	016.7	137.5	002.9000	-0009.2	061.9	38.05
290.0	001.0824	0079.4	016.7	137.3	002.9000	-0010.1	061.8	38.08
291.0	001.0868	0079.3	016.7	137.1	002.9000	-0011.0	061.6	38.10
292.0	001.0912	0079.2	016.7	136.8	002.9000	-0011.9	061.5	38.13
293.0	001.0957	0079.2	016.7	136.6	002.9000	-0012.7	061.3	38.16
294.0	001.1001	0079.2	016.7	136.3	002.9000	-0013.5	061.2	38.18
295.0	001.1046	0079.1	016.7	136.1	002.9000	-0014.4	061.1	38.21
296.0	001.1081	0078.6	016.7	135.8	002.9000	-0015.3	061.0	38.22
297.0	001.1116	0077.8	016.6	135.5	002.9000	-0016.3	061.0	38.22
298.0	001.1151	0076.9	016.5	135.2	002.9000	-0017.3	061.0	38.22
299.0	001.1186	0076.1	016.4	135.0	002.9000	-0018.3	061.0	38.22
300.0	001.1222	0075.5	016.4	134.7	002.9000	-0019.3	061.0	38.23
301.0	001.1257	0075.1	016.3	134.4	002.9000	-0020.2	061.0	38.24
302.0	001.1293	0074.9	016.3	134.1	002.9000	-0021.1	060.9	38.25
303.0	001.1328	0074.7	016.3	133.9	002.9000	-0022.0	060.9	38.26
304.0	001.1364	0074.4	016.3	133.6	002.9000	-0022.9	060.8	38.26
305.0	001.1399	0074.0	016.3	133.4	002.9000	-0023.8	060.8	38.27
306.0	001.1412	0073.7	016.2	133.1	002.9000	-0024.6	060.8	38.27
307.0	001.1425	0073.6	016.2	132.8	002.9000	-0025.4	060.8	38.27
308.0	001.1438	0073.6	016.2	132.5	002.9000	-0026.1	060.8	38.28
309.0	001.1451	0073.5	016.2	132.3	002.9000	-0026.8	060.7	38.28
310.0	001.1464	0073.5	016.2	132.0	002.9000	-0027.6	060.7	38.29
311.0	001.1477	0073.5	016.2	131.8	002.9000	-0028.3	060.7	38.29
312.0	001.1490	0073.5	016.2	131.5	002.9000	-0029.0	060.7	38.29
313.0	001.1503	0073.5	016.2	131.2	002.9000	-0029.7	060.7	38.29
314.0	001.1516	0073.6	016.2	130.9	002.9000	-0030.5	060.7	38.29
315.0	001.1529	0073.6	016.3	130.7	002.9000	-0031.2	060.7	38.29
316.0	001.1516	0073.6	016.3	130.4	002.9000	-0031.9	060.7	38.28
317.0	001.1503	0073.6	016.2	130.1	002.9000	-0032.7	060.8	38.28
318.0	001.1490	0073.5	016.2	129.9	002.9000	-0033.6	060.8	38.27
319.0	001.1477	0073.4	016.2	129.6	002.9000	-0034.5	060.9	38.25
320.0	001.1464	0073.2	016.2	129.4	002.9000	-0035.4	060.9	38.24
321.0	001.1451	0072.9	016.1	129.1	002.9000	-0036.3	061.0	38.22
322.0	001.1438	0072.6	016.1	128.9	002.9000	-0037.3	061.1	38.20
323.0	001.1425	0072.2	016.0	128.6	002.9000	-0038.3	061.3	38.17
324.0	001.1412	0071.8	016.0	128.4	002.9000	-0039.2	061.4	38.15
325.0	001.1399	0071.3	015.9	128.1	002.9000	-0040.2	061.5	38.12
326.0	001.1364	0070.8	015.8	127.9	002.9000	-0041.1	061.7	38.09
327.0	001.1328	0070.3	015.8	127.7	002.9000	-0042.0	061.8	38.06
328.0	001.1293	0069.8	015.7	127.5	002.9000	-0043.0	062.0	38.03
329.0	001.1257	0069.3	015.6	127.3	002.9000	-0043.9	062.2	38.00
330.0	001.1222	0068.9	015.6	127.1	002.9000	-0044.8	062.3	37.96
331.0	001.1186	0068.5	015.5	126.9	002.9000	-0045.6	062.5	37.93
332.0	001.1151	0068.1	015.5	126.6	002.9000	-0046.5	062.6	37.90
333.0	001.1116	0067.8	015.4	126.4	002.9000	-0047.3	062.8	37.87
334.0	001.1081	0067.3	015.3	126.3	002.9000	-0048.2	063.0	37.83
335.0	001.1046	0066.8	015.3	126.1	002.9000	-0048.9	063.2	37.80

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
336.0	001.0998	0066.2	015.2	125.9	002.9000	-0049.6	063.4	37.76
337.0	001.0950	0065.5	015.1	125.7	002.9000	-0050.3	063.6	37.72
338.0	001.0903	0064.6	015.0	125.6	002.9000	-0050.8	063.8	37.67
339.0	001.0855	0063.6	014.8	125.5	002.9000	-0051.3	064.1	37.62
340.0	001.0808	0062.4	014.7	125.3	002.9000	-0051.7	064.3	37.57
341.0	001.0761	0060.8	014.5	125.2	002.9000	-0052.0	064.6	37.52
342.0	001.0714	0058.7	014.3	125.2	002.9000	-0052.2	065.0	37.45
343.0	001.0667	0056.1	013.9	125.2	002.9000	-0052.2	065.4	37.38
344.0	001.0620	0053.2	013.6	125.2	002.9000	-0052.1	065.8	37.30
345.0	001.0573	0050.2	013.2	125.3	002.9000	-0051.9	066.3	37.21
346.0	001.0520	0047.5	012.8	125.3	002.9000	-0051.7	066.7	37.13
347.0	001.0467	0045.4	012.5	125.4	002.9000	-0051.6	067.1	37.06
348.0	001.0414	0043.0	012.1	125.4	002.9000	-0051.4	067.5	36.99
349.0	001.0362	0039.9	011.7	125.6	002.9000	-0050.9	068.0	36.90
350.0	001.0309	0036.1	011.1	125.8	002.9000	-0050.1	068.5	36.80
351.0	001.0257	0031.9	010.5	126.0	002.9000	-0049.1	069.1	36.70
352.0	001.0205	0027.2	010.2	126.1	002.9000	-0048.9	069.4	36.64
353.0	001.0153	0022.4	010.2	126.0	002.9000	-0049.3	069.6	36.62
354.0	001.0101	0018.9	010.2	125.9	002.9000	-0049.6	069.7	36.59
355.0	001.0049	0015.9	010.2	125.8	002.9000	-0050.0	069.9	36.57
356.0	001.0007	0013.0	010.2	125.7	002.9000	-0050.3	070.0	36.54
357.0	000.9964	0011.0	010.2	125.6	002.9000	-0050.7	070.1	36.51
358.0	000.9922	0009.5	010.1	125.6	002.9000	-0051.0	070.3	36.49
359.0	000.9880	0006.7	010.1	125.5	002.9000	-0051.3	070.4	36.46
000.0	000.9837	0004.2	010.1	125.4	002.9000	-0051.5	070.6	36.43
001.0	000.9795	0001.6	010.1	125.3	002.9000	-0051.8	070.7	36.41
002.0	000.9753	-0001.0	010.1	125.2	002.9000	-0052.0	070.9	36.38
003.0	000.9712	-0002.8	010.1	125.2	002.9000	-0052.2	071.0	36.35
004.0	000.9670	-0003.7	010.1	125.1	002.9000	-0052.5	071.2	36.32
005.0	000.9628	-0004.9	010.1	125.0	002.9000	-0052.7	071.3	36.30
006.0	000.9610	-0006.1	010.1	125.0	002.9000	-0052.9	071.5	36.27
007.0	000.9592	-0007.9	010.1	124.9	002.9000	-0053.1	071.7	36.24
008.0	000.9575	-0008.8	010.1	124.8	002.9000	-0053.3	071.8	36.21
009.0	000.9557	-0010.1	010.0	124.8	002.9000	-0053.4	072.0	36.18
010.0	000.9539	-0011.8	010.0	124.7	002.9000	-0053.6	072.1	36.16
011.0	000.9521	-0012.8	010.0	124.7	002.9000	-0053.7	072.3	36.13