```
                  Doug Vernier, Telecommunications Consultants
                        P.O. Box 1033, Cedar Falls, IA  50613
                  Weaver Mtn Site - Minimum Separations Sec 73.207 Rules
                        Deportes Y Musica Comunicaciones LLC

  REFERENCE                                            DISPLAY DATES
 34 11 32.0 N.              CLASS = C2 Int = B         DATA    02-05-17
 112 45 13.0 W.         Current Spacings to 3rd Adj.   SEARCH 02-05-17
 ------------------------ Channel 258 - 99.5 MHz -------------------------

 Call        Channel     Location             Azi      Dist    FCC    Margin
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 KRPH      LIC-N 258C2  Morristown       AZ  135.6     7.18   189.5  -182.3
 KAFZ      CP -N 259C2  Ash Fork         AZ   28.3   118.62   129.5   -10.9<*
 KTMG      LIC   256A   Prescott         AZ   30.6    49.36    54.5    -5.1<*
 KEMP      CP -Z 257C2  Payson           AZ   90.0   130.51   129.5     1.0
 DKVEZ     VAC   257C2  Parker           AZ  267.1   134.62   129.5     5.1
 KESZ      LIC   260C   Phoenix          AZ  146.0   114.76   104.5    10.3
 KAFZ      LIC   259A   Ash Fork         AZ   11.9   117.12   105.5    11.6
 KEMP      LIC   257C3  Payson           AZ   90.0   130.51   116.5    14.0
 KIIM-FM   LIC   258C   Tucson           AZ  144.4   264.09   248.5    15.6


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                  Reference station has protected zone issue: Mexico
                  All separation margins include rounding
                  <* = Protected under 73.215
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73.215 and 73.207 - KRPH vs KAFZ.C Tabular Abalysis
Deportes Y Musica Comunicaciones LLC

REFERENCE	CH# 258C2 - 99.5 MHz, Pwr= 8 kW DA, HAAT= 370.2 M, COR= 1576.2 M	DISPLAY DATES
34 11 32.0 N.	Average Protected F(50-50)= 52.49 km	DATA 02-05-17
112 45 13.0 W.	73.215 Directional	SEARCH 02-05-17

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)	
258C2 KRPH	LIC NCX	135.6	7.18	34 08 45.7	50.000	115.0	26.5	-170.4*	-164.2*
Morristown	AZ	315.6	BLH20110225ACJ	112 41 56.1	150	1262	Deportes Y Musica Comunica		
259C2 KAFZ	CP NCX	28.3	118.76	35 07 52.0	10.500	92.2	61.9	0.3	17.0
Ash Fork	AZ	208.7	BPH20150624ABF	112 08 03.0	325	2390	Alex Media, Inc.		
257C2 KEMP«	CP ZCX	90.0	130.51	34 11 04.0	50.000	84.0	52.4	129.5R	1.0M
Payson	AZ	270.8	BPH20100430ACE	111 20 16.0	140	1468	Kemp Communications, Inc.		
257C2 DKVEZ«	VAC __N	267.1	134.62	34 07 22.0	50.000	69.2	39.2	129.5R	5.1M
Parker	AZ	86.3		114 12 40.0	150	378			
260C KESZ«	LIC _CY	146.0	114.76	33 20 01.0	100.000	13.2	89.7	104.5R	10.3M
Phoenix	AZ	326.4	BLH19970324KD	112 03 44.0	519	888	Cc Licenses, Llc		
259A KAFZ«	LIC _CX	11.9	117.12	35 13 29.0	0.100	8.0	5.6	105.5R	11.6M
Ash Fork	AZ	192.1	BLH20150623ABL	112 29 11.0	-46	1609	Alex Media, Inc.		
257C3 KEMP«	LIC _CX	90.0	130.51	34 11 04.0	17.000	68.2	41.5	116.5R	14.0M
Payson	AZ	270.8	BLH20070813ABX	111 20 16.0	123	1457	Kemp Communications, Inc.		
258C KIIM-FM«	LIC _CY	144.4	264.09	32 14 56.0	93.000	194.9	90.4	248.5R	15.6M
Tucson	AZ	325.3	BLH19850131LP	111 06 59.0	621	1385	Radio License Holding Cbc,		
256A KTMG^	LIC _CN	30.6	49.42	34 34 29.0	6.000	1.6	15.8	21.6	26.9
Prescott	AZ	210.7	BLH19930510KC	112 28 45.0	100	1798	Flagstaff Radio, Inc		

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.
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.
^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements
Reference station has protected zone issue: Mexico

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.

KRPH vs KAFZ.CP Contour-toContour Map Study
Deportes Y Musica Comunicaciones LLC

FMCommander Single Allocation Study - 02-05-2017 - FCC NGDC 30 Sec
KRPH's Overlaps (In= 0.29 km, Out= 16.95 km)

KRPH CH 258 C2 73.215 Z
Lat= 34 11 32.0,   Lng= 112 45 13.0
8.0 kW 370.2 m HAAT, 1576.2 m COR
Prot.= 60 dBu, Intef.= 54 dBu

KAFZ-C CH 259 C2 73.215 N BPH20150624ABF
Lat= 35 07 52.0,   Lng= 112 08 03.0
10.5 kW 325 m HAAT, 2390 m COR
Prot.= 60 dBu, Intef.= 54 dBu
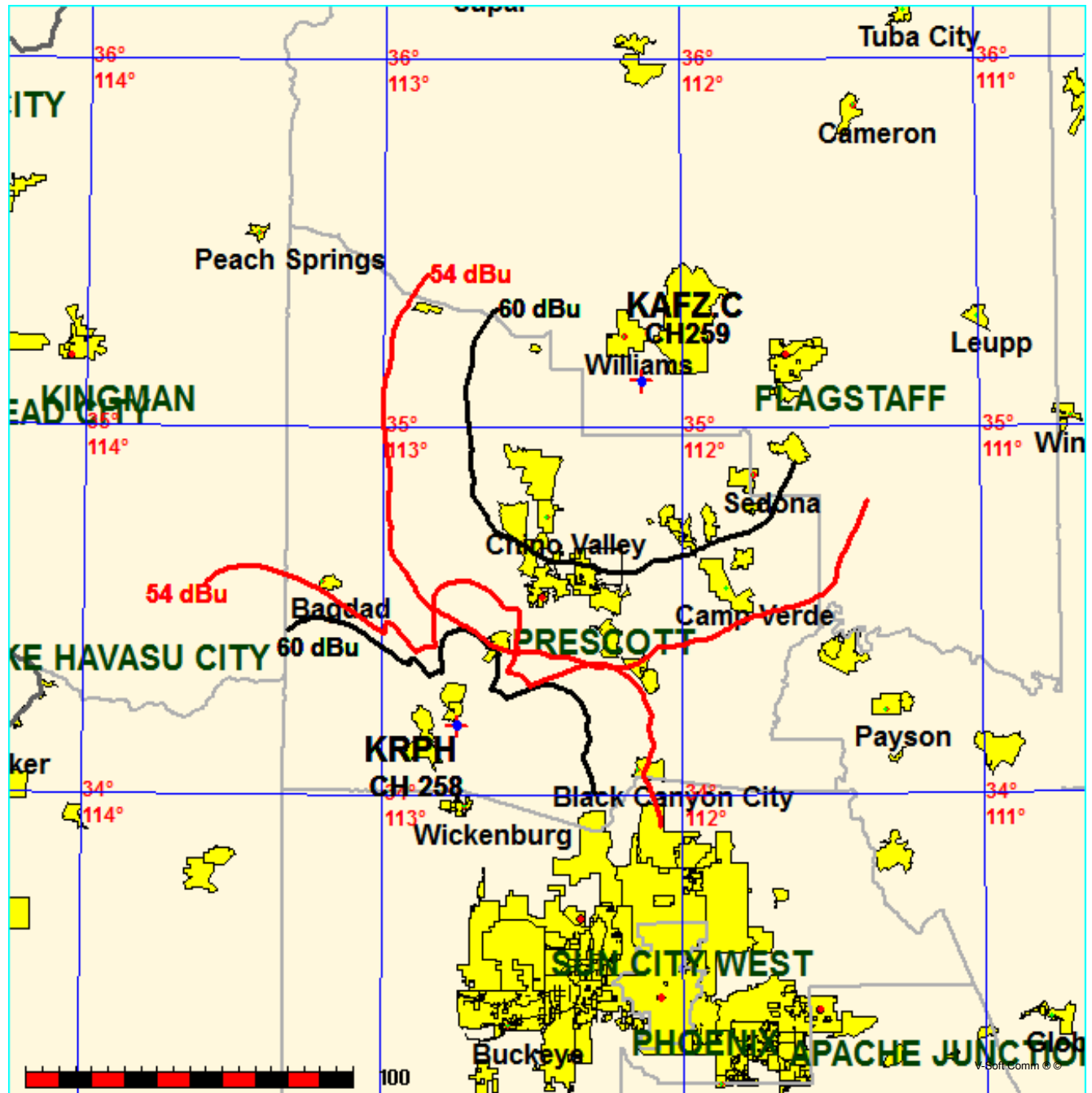
KRPH   KAFZ   BPH20150624ABF

Channel = 258C2   Channel = 259C2
Max ERP = 8 kW   Max ERP = 10.5 kW
RCAMSL = 1576.2 m   RCAMSL = 2390 m
N. Lat. 34 11 32.0   N. Lat. 35 07 52.0
W. Lng. 112 45 13.0   W. Lng. 112 08 03.0
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)
328.0	008.0000	0050.5	022.2	218.8	010.5000	0494.5	109.5	49.19	
329.0	008.0000	0039.4	019.5	217.4	010.5000	0491.2	110.1	48.94	
330.0	008.0000	0026.7	017.1	216.2	010.5000	0488.0	110.8	48.67	
331.0	008.0000	0014.1	017.1	216.1	010.5000	0487.8	110.5	48.74	
332.0	008.0000	0002.3	017.1	216.1	010.5000	0487.7	110.2	48.81	
333.0	008.0000	-0008.5	017.1	216.0	010.5000	0487.5	110.0	48.87	
334.0	008.0000	-0017.2	017.1	215.9	010.5000	0487.3	109.7	48.94	
335.0	008.0000	-0022.8	017.1	215.8	010.5000	0487.1	109.4	49.00	
336.0	008.0000	-0026.4	017.1	215.8	010.5000	0486.9	109.2	49.07	
337.0	008.0000	-0028.3	017.1	215.7	010.5000	0486.7	108.9	49.13	
338.0	008.0000	-0027.9	017.1	215.6	010.5000	0486.5	108.7	49.19	
339.0	008.0000	-0025.9	017.1	215.5	010.5000	0486.3	108.4	49.25	
340.0	008.0000	-0023.5	017.1	215.4	010.5000	0486.0	108.2	49.31	
341.0	007.9043	-0020.6	017.0	215.3	010.5000	0485.8	108.0	49.36	
342.0	007.5583	-0010.6	016.8	215.1	010.5000	0485.3	107.8	49.38	
343.0	007.2200	0003.2	016.6	214.9	010.5000	0484.9	107.7	49.40	
344.0	006.8895	0018.6	016.4	214.8	010.5000	0484.6	107.7	49.41	
345.0	006.5812	0031.1	016.4	214.7	010.5000	0484.5	107.4	49.48	
346.0	006.2800	0042.4	019.1	215.7	010.5000	0486.6	105.4	50.08	
347.0	005.9996	0052.5	021.1	216.4	010.5000	0488.5	103.9	50.58	
348.0	005.7257	0064.1	022.8	217.0	010.5000	0490.0	102.4	51.03	
349.0	005.4714	0076.4	024.4	217.5	010.5000	0491.3	101.1	51.45	
350.0	005.2229	0087.2	025.7	217.8	010.5000	0492.2	099.9	51.81	
351.0	004.9928	0093.8	026.3	217.9	010.5000	0492.4	099.1	52.04	
352.0	004.7679	0099.0	026.7	217.9	010.5000	0492.4	098.5	52.22	
353.0	004.5481	0103.7	027.1	217.9	010.5000	0492.2	097.9	52.37	
354.0	004.3454	0109.0	027.4	217.8	010.5000	0492.0	097.4	52.53	
355.0	004.1472	0114.6	027.7	217.7	010.5000	0491.8	096.8	52.69	
356.0	003.9649	0119.1	027.9	217.6	010.5000	0491.5	096.4	52.81	
357.0	003.7868	0124.3	028.1	217.4	010.5000	0491.1	095.9	52.94	
358.0	003.6127	0129.5	028.2	217.3	010.5000	0490.7	095.5	53.06	
359.0	003.4532	0133.6	028.3	217.0	010.5000	0490.3	095.1	53.16	
000.0	003.2973	0138.2	028.4	216.9	010.5000	0489.7	094.7	53.27	
001.0	003.1853	0142.8	028.6	216.7	010.5000	0489.3	094.2	53.39	
002.0	003.0653	0147.0	028.8	216.5	010.5000	0488.7	093.9	53.49	
003.0	002.9573	0150.2	028.8	216.2	010.5000	0488.1	093.5	53.57	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
004.0	002.7405	0158.6	029.0	216.0	010.5000	0487.6	093.1	53.70
005.0	002.6403	0161.5	029.0	215.8	010.5000	0486.9	092.8	53.76
006.0	002.5331	0164.3	029.0	215.5	010.5000	0486.2	092.6	53.81
007.0	002.4367	0166.9	028.9	215.2	010.5000	0485.5	092.4	53.86
008.0	002.3338	0168.2	028.8	214.9	010.5000	0484.8	092.3	53.86
009.0	002.2414	0169.1	028.6	214.5	010.5000	0484.2	092.3	53.86
010.0	002.1427	0170.2	028.4	214.2	010.5000	0483.7	092.3	53.86
011.0	002.0781	0171.6	028.3	213.9	010.5000	0483.6	092.2	53.89
012.0	002.0224	0172.6	028.2	213.6	010.5000	0483.6	092.1	53.92
013.0	001.9597	0172.7	028.0	213.3	010.5000	0483.9	092.1	53.92
014.0	001.8980	0172.8	027.8	212.9	010.5000	0484.5	092.1	53.93
015.0	001.8373	0173.4	027.6	212.6	010.5000	0485.2	092.1	53.94
016.0	001.7850	0173.9	027.5	212.3	010.5000	0486.2	092.1	53.97
017.0	001.7261	0173.8	027.3	212.0	010.5000	0487.2	092.2	53.97
018.0	001.6682	0172.8	027.0	211.7	010.5000	0488.3	092.3	53.94
019.0	001.6183	0170.5	026.7	211.3	010.5000	0489.2	092.6	53.90
020.0	001.5623	0166.2	026.2	211.0	010.5000	0489.9	093.0	53.79
021.0	001.6396	0160.2	026.0	210.7	010.5000	0490.2	093.0	53.77
022.0	001.7115	0153.7	025.8	210.4	010.5000	0490.3	093.2	53.73
023.0	001.7924	0148.0	025.6	210.1	010.5000	0490.3	093.3	53.70
024.0	001.8827	0144.8	025.6	209.8	010.5000	0490.2	093.2	53.72
025.0	001.9675	0144.2	025.8	209.6	010.5000	0489.9	093.0	53.78
026.0	002.0621	0145.7	026.2	209.3	010.5000	0489.5	092.6	53.90
027.0	002.1590	0146.4	026.5	209.0	010.5000	0489.0	092.2	53.99
028.0	002.2580	0143.5	026.6	208.8	010.5000	0488.5	092.2	53.99
029.0	002.3679	0136.4	026.3	208.5	010.5000	0487.9	092.5	53.89
030.0	002.4803	0126.9	025.8	208.2	010.5000	0487.4	093.0	53.71
031.0	002.5953	0117.0	025.2	207.9	010.5000	0486.9	093.6	53.52
032.0	002.7221	0107.1	024.5	207.7	010.5000	0486.4	094.4	53.29
033.0	002.8426	0098.0	023.7	207.5	010.5000	0485.9	095.2	53.03
034.0	002.9848	0089.8	023.0	207.3	010.5000	0485.5	095.9	52.79
035.0	003.1207	0082.9	022.3	207.1	010.5000	0485.0	096.6	52.57
036.0	003.2696	0077.2	021.8	206.9	010.5000	0484.5	097.2	52.39
037.0	003.4220	0072.8	021.4	206.8	010.5000	0484.0	097.6	52.25
038.0	003.5779	0068.7	021.1	206.6	010.5000	0483.5	098.0	52.12
039.0	003.7480	0064.0	020.7	206.4	010.5000	0482.9	098.5	51.96
040.0	003.9331	0058.6	020.1	206.3	010.5000	0482.5	099.2	51.76
041.0	004.1113	0052.8	019.3	206.2	010.5000	0482.2	100.0	51.50
042.0	004.3050	0047.3	018.4	206.2	010.5000	0482.0	101.0	51.21
043.0	004.5150	0041.5	017.3	206.2	010.5000	0482.0	102.1	50.89
044.0	004.7179	0035.5	016.0	206.3	010.5000	0482.3	103.4	50.53
045.0	004.9500	0028.9	015.0	206.3	010.5000	0482.5	104.5	50.22
046.0	005.1749	0022.3	015.1	206.1	010.5000	0481.7	104.4	50.22
047.0	005.4178	0015.9	015.3	206.0	010.5000	0480.9	104.4	50.22
048.0	005.6795	0011.2	015.5	205.8	010.5000	0480.0	104.3	50.22
049.0	005.9474	0008.5	015.7	205.6	010.5000	0478.9	104.2	50.21
050.0	006.2214	0007.9	015.9	205.4	010.5000	0477.7	104.1	50.19
051.0	006.5158	0009.3	016.1	205.2	010.5000	0476.2	104.1	50.17
052.0	006.8315	0011.5	016.3	205.0	010.5000	0474.6	104.0	50.15
053.0	007.1547	0012.4	016.5	204.9	010.5000	0472.9	104.0	50.11
054.0	007.4853	0012.7	016.8	204.7	010.5000	0471.0	103.9	50.07

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
055.0	007.7150	0012.5	016.9	204.5	010.5000	0469.3	103.9	50.01
056.0	007.7150	0011.6	016.9	204.3	010.5000	0467.9	104.1	49.93
057.0	007.7150	0010.6	016.9	204.2	010.5000	0466.6	104.3	49.84
058.0	007.7150	0009.8	016.9	204.1	010.5000	0465.3	104.4	49.76
059.0	007.7150	0010.7	016.9	203.9	010.5000	0464.0	104.6	49.67
060.0	007.7150	0014.0	016.9	203.8	010.5000	0462.8	104.8	49.59
061.0	007.7150	0020.8	016.9	203.7	010.5000	0461.7	104.9	49.51
062.0	007.7150	0031.6	017.3	203.4	010.5000	0459.4	104.8	49.48
063.0	007.7150	0046.7	021.1	201.9	010.5000	0449.2	102.1	49.93
064.0	007.7150	0066.0	024.7	200.3	010.5000	0441.7	099.7	50.39
065.0	007.7150	0086.1	027.9	198.9	010.5000	0441.7	097.8	50.94
066.0	007.7150	0101.7	030.2	197.6	010.5000	0440.7	096.6	51.27
067.0	007.7150	0111.5	031.6	196.8	010.5000	0436.5	096.2	51.28
068.0	007.7150	0118.4	032.5	196.2	010.5000	0433.0	096.1	51.20
069.0	007.7150	0124.0	033.1	195.7	010.5000	0431.9	096.1	51.15
070.0	007.7150	0130.5	033.9	195.1	010.5000	0431.2	096.2	51.12
071.0	007.7150	0137.3	034.6	194.5	010.5000	0431.3	096.2	51.10
072.0	007.7150	0143.5	035.4	194.0	010.5000	0432.3	096.3	51.09
073.0	007.7150	0148.9	036.0	193.5	010.5000	0433.5	096.6	51.07
074.0	007.7150	0154.1	036.6	193.0	010.5000	0434.3	096.8	51.02
075.0	007.7150	0158.7	037.1	192.5	010.5000	0435.0	097.1	50.94
076.0	007.7150	0164.3	037.7	192.0	010.5000	0436.2	097.4	50.89
077.0	007.7150	0168.9	038.2	191.6	010.5000	0437.5	097.8	50.81
078.0	007.7150	0173.0	038.6	191.2	010.5000	0438.4	098.3	50.71
079.0	007.7150	0175.0	038.8	191.0	010.5000	0438.9	098.8	50.56
080.0	007.7150	0177.8	039.1	190.7	010.5000	0439.4	099.4	50.42
081.0	007.7150	0181.1	039.4	190.4	010.5000	0439.8	099.9	50.27
082.0	007.7150	0182.8	039.5	190.2	010.5000	0440.0	100.5	50.10
083.0	007.7150	0183.5	039.6	190.0	010.5000	0440.2	101.2	49.92
084.0	007.7150	0186.6	039.8	189.8	010.5000	0440.3	101.8	49.76
085.0	007.7150	0191.1	040.2	189.5	010.5000	0440.2	102.4	49.59
086.0	007.7150	0195.4	040.5	189.2	010.5000	0439.8	103.0	49.41
087.0	007.7150	0198.3	040.8	189.0	010.5000	0439.3	103.6	49.22

KAFZ   BPH20150624ABF   KRPH

Channel = 259C2   Channel = 258C2
Max ERP = 10.5 kW   Max ERP = 8 kW
RCAMSL = 2390 m   RCAMSL = 1576.2 m
N. Lat. 35 07 52.0   N. Lat. 34 11 32.0
W. Lng. 112 08 03.0   W. Lng. 112 45 13.0
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)
149.0	010.5000	0371.5	055.1	055.9	008.0000	0005.6	102.6	34.50	
150.0	010.5000	0367.7	054.9	055.8	008.0000	0005.7	101.7	34.69	
151.0	010.5000	0364.1	054.7	055.6	008.0000	0005.8	100.7	34.87	
152.0	010.5000	0361.1	054.5	055.5	008.0000	0006.0	099.8	35.06	
153.0	010.5000	0358.1	054.3	055.3	008.0000	0006.2	098.9	35.24	
154.0	010.5000	0355.0	054.1	055.1	008.0000	0006.4	098.0	35.43	
155.0	010.5000	0352.7	054.0	054.9	007.9813	0006.5	097.1	35.60	
156.0	010.5000	0351.4	053.9	054.8	007.9460	0006.5	096.2	35.76	
157.0	010.5000	0351.0	053.9	054.6	007.9154	0006.7	095.2	35.93	
158.0	010.5000	0351.1	053.9	054.5	007.8872	0006.7	094.3	36.10	
159.0	010.5000	0352.0	053.9	054.4	007.8625	0006.8	093.4	36.28	
160.0	010.5000	0354.2	054.1	054.4	007.8466	0006.8	092.4	36.46	
161.0	010.5000	0357.1	054.2	054.3	007.8343	0006.8	091.5	36.65	
162.0	010.5000	0360.2	054.4	054.2	007.8203	0006.8	090.5	36.84	
163.0	010.5000	0363.4	054.6	054.2	007.8043	0006.8	089.6	37.03	
164.0	010.5000	0366.1	054.8	054.1	007.7806	0006.8	088.6	37.21	
165.0	010.5000	0367.3	054.9	053.9	007.7298	0006.8	087.7	37.38	
166.0	010.5000	0366.7	054.8	053.7	007.6433	0006.7	086.8	37.51	
167.0	010.5000	0364.7	054.7	053.3	007.5343	0006.6	086.0	37.62	
168.0	010.5000	0363.7	054.7	053.0	007.4343	0006.4	085.1	37.74	
169.0	010.5000	0364.1	054.7	052.8	007.3454	0006.3	084.2	37.86	
170.0	010.5000	0365.6	054.8	052.5	007.2659	0006.1	083.4	38.00	
171.0	010.5000	0368.4	054.9	052.3	007.1976	0005.9	082.4	38.14	
172.0	010.5000	0371.0	055.1	052.1	007.1212	0005.7	081.5	38.28	
173.0	010.5000	0373.7	055.2	051.9	007.0398	0005.3	080.6	38.42	
174.0	010.5000	0372.3	055.2	051.5	006.9057	0004.4	079.8	38.49	
175.0	010.5000	0370.2	055.0	051.0	006.7579	0003.3	079.1	38.54	
176.0	010.5000	0368.4	054.9	050.5	006.6176	0002.5	078.3	38.59	
177.0	010.5000	0374.4	055.3	050.3	006.5553	0002.2	077.4	38.74	
178.0	010.5000	0386.2	055.9	050.3	006.5447	0002.1	076.2	38.95	
179.0	010.5000	0397.9	056.6	050.2	006.5249	0002.0	075.0	39.16	
180.0	010.5000	0408.5	057.2	050.1	006.4872	0002.0	073.9	39.34	
181.0	010.5000	0418.0	057.7	049.9	006.4314	0001.9	072.8	39.50	
182.0	010.5000	0427.3	058.3	049.7	006.3692	0001.9	071.6	39.66	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
183.0	010.5000	0433.5	058.6	049.4	006.2702	0002.0	070.7	39.77
184.0	010.5000	0434.2	058.6	048.8	006.1135	0002.8	069.9	39.80
185.0	010.5000	0433.5	058.6	048.2	005.9399	0004.5	069.2	39.80
186.0	010.5000	0434.4	058.7	047.6	005.7760	0007.1	068.5	39.81
187.0	010.5000	0434.4	058.7	046.9	005.6020	0010.2	067.8	39.79
188.0	010.5000	0437.2	058.8	046.4	005.4543	0014.1	067.0	39.82
189.0	010.5000	0439.2	058.9	045.7	005.2993	0018.1	066.3	39.83
190.0	010.5000	0440.2	059.0	045.0	005.1385	0022.7	065.6	39.81
191.0	010.5000	0438.8	058.9	044.2	004.9498	0027.9	065.1	39.75
192.0	010.5000	0436.3	058.8	043.4	004.7674	0032.9	064.7	40.00
193.0	010.5000	0434.2	058.6	042.6	004.5884	0038.0	064.3	40.49
194.0	010.5000	0432.2	058.5	041.7	004.4083	0042.8	063.9	40.91
195.0	010.5000	0431.2	058.5	040.9	004.2415	0047.4	063.5	41.33
196.0	010.5000	0432.4	058.5	040.1	004.0919	0052.2	063.0	41.75
197.0	010.5000	0437.6	058.8	039.3	003.9477	0056.3	062.3	42.15
198.0	010.5000	0441.6	059.1	038.5	003.8008	0060.4	061.7	42.49
199.0	010.5000	0441.5	059.1	037.6	003.6473	0064.4	061.3	42.72
200.0	010.5000	0440.9	059.0	036.7	003.4984	0068.1	061.1	42.90
201.0	010.5000	0444.4	059.2	035.8	003.3599	0072.1	060.6	43.18
202.0	010.5000	0449.7	059.5	034.9	003.2248	0077.4	060.0	43.58
203.0	010.5000	0456.2	059.9	034.0	003.0982	0083.6	059.4	44.06
204.0	010.5000	0464.6	060.4	033.1	002.9636	0091.0	058.7	44.63
205.0	010.5000	0474.2	061.0	032.2	002.8434	0099.5	058.0	45.30
206.0	010.5000	0481.1	061.5	031.2	002.7123	0109.4	057.4	45.95
207.0	010.5000	0484.7	061.7	030.1	002.5848	0119.8	057.1	46.47
208.0	010.5000	0487.0	061.8	029.0	002.4592	0130.1	056.9	46.89
209.0	010.5000	0488.9	062.0	027.9	002.3358	0137.8	056.8	47.14
210.0	010.5000	0490.3	062.1	026.9	002.2236	0140.5	056.7	47.09
211.0	010.5000	0489.9	062.0	025.8	002.1149	0139.3	056.8	46.77
212.0	010.5000	0487.2	061.9	024.7	002.0136	0138.1	057.1	46.39
213.0	010.5000	0484.3	061.7	023.7	001.9200	0139.6	057.5	46.14
214.0	010.5000	0483.6	061.6	022.6	001.8258	0144.0	057.7	46.07
215.0	010.5000	0485.0	061.7	021.5	001.7409	0150.6	057.8	46.16
216.0	010.5000	0487.5	061.9	020.5	001.6579	0157.5	057.9	46.27
217.0	010.5000	0490.1	062.0	019.4	001.6546	0163.1	058.1	46.50
218.0	010.5000	0492.6	062.2	018.3	001.7122	0166.2	058.3	46.73
219.0	010.5000	0495.1	062.4	017.3	001.7729	0167.6	058.5	46.87
220.0	010.5000	0498.9	062.6	016.2	001.8384	0167.9	058.7	46.97
221.0	010.5000	0504.2	063.0	015.1	001.9003	0167.5	058.8	47.05
222.0	010.5000	0509.8	063.3	014.0	001.9702	0166.8	059.0	47.11
223.0	010.5000	0514.8	063.7	012.9	002.0406	0166.7	059.2	47.17
224.0	010.5000	0518.4	063.9	011.8	002.1070	0166.4	059.6	47.16
225.0	010.5000	0519.2	064.0	010.9	002.1612	0165.5	060.1	47.03
226.0	010.5000	0517.2	063.8	010.1	002.2147	0164.4	060.9	46.81
227.0	010.5000	0513.6	063.6	009.4	002.2827	0163.5	061.7	46.59
228.0	010.5000	0509.2	063.3	008.8	002.3464	0162.9	062.6	46.37
229.0	010.5000	0504.4	063.0	008.2	002.4025	0162.4	063.6	46.12
230.0	010.5000	0500.0	062.7	007.6	002.4611	0161.8	064.5	45.88
231.0	010.5000	0497.2	062.5	007.0	002.5246	0160.9	065.4	45.65
232.0	010.5000	0496.0	062.4	006.4	002.5877	0159.4	066.2	45.41
233.0	010.5000	0496.5	062.5	005.7	002.6577	0157.5	067.0	45.18

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
234.0	010.5000	0497.3	062.5	005.1	002.7310	0155.7	067.8	44.95
235.0	010.5000	0497.4	062.5	004.5	002.7936	0153.9	068.6	44.69
236.0	010.5000	0494.6	062.3	004.0	002.8409	0152.7	069.6	44.39
237.0	010.5000	0486.9	061.8	003.8	002.8656	0152.1	070.7	44.02
238.0	010.5000	0474.0	061.0	003.8	002.8638	0152.1	072.1	43.58
239.0	010.5000	0459.5	060.1	003.9	002.8541	0152.4	073.4	43.14
240.0	010.5000	0448.4	059.5	003.8	002.8592	0152.3	074.7	42.75
241.0	010.5000	0442.1	059.1	003.6	002.8824	0151.7	075.7	42.43
242.0	010.5000	0438.2	058.9	003.4	002.9141	0151.1	076.7	42.13
243.0	010.5000	0433.1	058.6	003.2	002.9381	0150.6	077.8	41.83
244.0	010.5000	0426.5	058.2	003.0	002.9540	0150.3	078.8	41.50
245.0	010.5000	0417.3	057.7	003.0	002.9570	0150.2	080.0	41.16
246.0	010.5000	0407.6	057.1	003.0	002.9556	0150.2	081.1	40.81
247.0	010.5000	0397.9	056.6	003.0	002.9531	0150.3	082.2	40.46
248.0	010.5000	0390.1	056.2	003.0	002.9558	0150.2	083.3	40.14
249.0	010.5000	0383.8	055.8	002.9	002.9627	0150.0	084.3	39.83
250.0	010.5000	0378.7	055.5	002.9	002.9722	0149.8	085.4	39.53
251.0	010.5000	0375.2	055.3	002.7	002.9857	0149.5	086.3	39.25
252.0	010.5000	0372.8	055.2	002.6	003.0013	0149.1	087.3	38.97
253.0	010.5000	0370.4	055.0	002.5	003.0156	0148.6	088.2	38.70
254.0	010.5000	0367.6	054.9	002.4	003.0269	0148.3	089.2	38.42
255.0	010.5000	0365.3	054.7	002.2	003.0383	0148.0	090.1	38.14
256.0	010.5000	0364.2	054.7	002.1	003.0533	0147.5	091.1	37.88
257.0	010.5000	0363.6	054.6	002.0	003.0691	0146.9	092.0	37.61
258.0	010.5000	0362.4	054.6	001.9	003.0819	0146.5	092.9	37.35
259.0	010.5000	0360.5	054.5	001.8	003.0898	0146.3	093.9	37.08
260.0	010.5000	0358.1	054.3	001.8	003.0947	0146.1	094.8	36.82
261.0	010.5000	0355.7	054.2	001.7	003.0979	0146.0	095.8	36.55
262.0	010.5000	0353.7	054.0	001.7	003.1014	0145.9	096.8	36.30
263.0	010.5000	0351.8	053.9	001.7	003.1042	0145.8	097.7	36.04
264.0	010.5000	0351.6	053.9	001.6	003.1128	0145.5	098.6	35.80
265.0	010.5000	0351.7	053.9	001.5	003.1218	0145.2	099.6	35.56
266.0	010.5000	0351.4	053.9	001.5	003.1278	0145.0	100.5	35.32
267.0	010.5000	0351.3	053.9	001.4	003.1332	0144.8	101.4	35.09
268.0	010.5000	0348.0	053.7	001.5	003.1239	0145.1	102.4	34.85