

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

Full Contour-to-Contour Allocation Table - Outgoing only

New Life Broadcasting, Inc.

REFERENCE CH# 266D - 101.1 MHz, Pwr= 0.1 kW DA, HAAT= 840.5 M, COR= 1035 M DISPLAY DATES
18 18 36.0 N. Average Protected F(50-50)= 30.68 km DATA 02-18-14
65 47 41.0 W. Standard Directional SEARCH 02-18-14

CH CITY	CALL	TYPE STATE	ANT AZI	DIST FILE #	LAT LNG	PWR (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*OUT* (Overlap in km)
266D Luquillo	W266CF	CP DC_ PR	0.0 0.0	0.00 BNPFT20130819AFS	18 18 36.0 65 47 41.0	0.010	63.3 1035	16.8 New Life Broadcasting, Inc	-109.0*
264B Bayamon	WXYX	LIC _C_ PR	265.8 85.7	40.75 BLH19990915AVO	18 16 58.0 66 10 47.0	50.000 333	9.8 603	88.3 Raad Broadcasting Corporat	-47.8*
269A Ceiba	WQML	LIC NCX PR	96.5 276.5	15.95 BLH20131017AOU	18 17 37.3 65 38 40.3	6.000 70	2.5 140	15.8 Western New Life, Inc.	0.2
266B Ponce	WRIO	LIC _CN PR	251.1 70.8	96.03 BLH19860609KA	18 01 40.0 66 39 14.0	50.000 -14	122.2 176	52.0 Arso Radio Corporation	0.7
264D Ceiba	WXYX-FM2	LIC _C_ PR	104.0 284.0	13.53 BLFTB20040622AAW	18 16 50.0 65 40 13.0	0.150	0.9 330	6.2 Raad Broadcasting Corp	3.9
267B Cruz Bay	WWKS	LIC _CN VI	88.0 268.4	112.10 BLH19970310KC	18 20 30.0 64 43 59.0	50.000 374	105.9 415	83.6 Gark, Llc	8.3
213B Carolina	WIDA-FM	LIC DCN PR	231.2 51.1	34.87 BLED19830711AI	18 06 48.0 66 03 07.0	25.000 579	56.2 937	11.9 Radio Vida Incorporado	15.0R 19.9M
268D San Juan	W267BL	LIC DC PR	264.4 84.3	33.41 BLFT20120827AAO	18 16 49.0 66 06 35.0	0.250	0.4 531	8.7 Juan Carlos Matos Barreto	21.0<-**

Terrain database is USGS 03 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= East Zone, 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)
Incoming contour overlap is ignored.
**affixed to 'IN' or 'OUT' values = site inside protected contour.
Reference station has protected zone issue:
<-** Moved to channel 268 from 267 in a simultaneous filing
WXYX is protected using U/D

HOW TO READ THE FM COMPUTER PRINT-OUT

Translator Reference Station

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. The 60 dBu protected contour is predicted from the Commission's F(50-50) table. 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.

All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90. The column labeled "* OUT *" shows the greatest distance in kilometers of overlap (or smallest distance 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. Since translators are able to receive interference there is no "In" or incoming column in this report.

Listed antenna heights and power are the specific antenna heights and power from the FCC database.

Under the "AZI" column, the first row of numbers indicate the True North azimuths 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. Bearings are calculated using spherical trigonometry.

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 the minimum spacings the "OUT" columns change its significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column displays the **available clear space** separation 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 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.

Transmitter site Satellite Map - Lack of population around mountain-top site:

Protection to 2nd adjacent WXYX

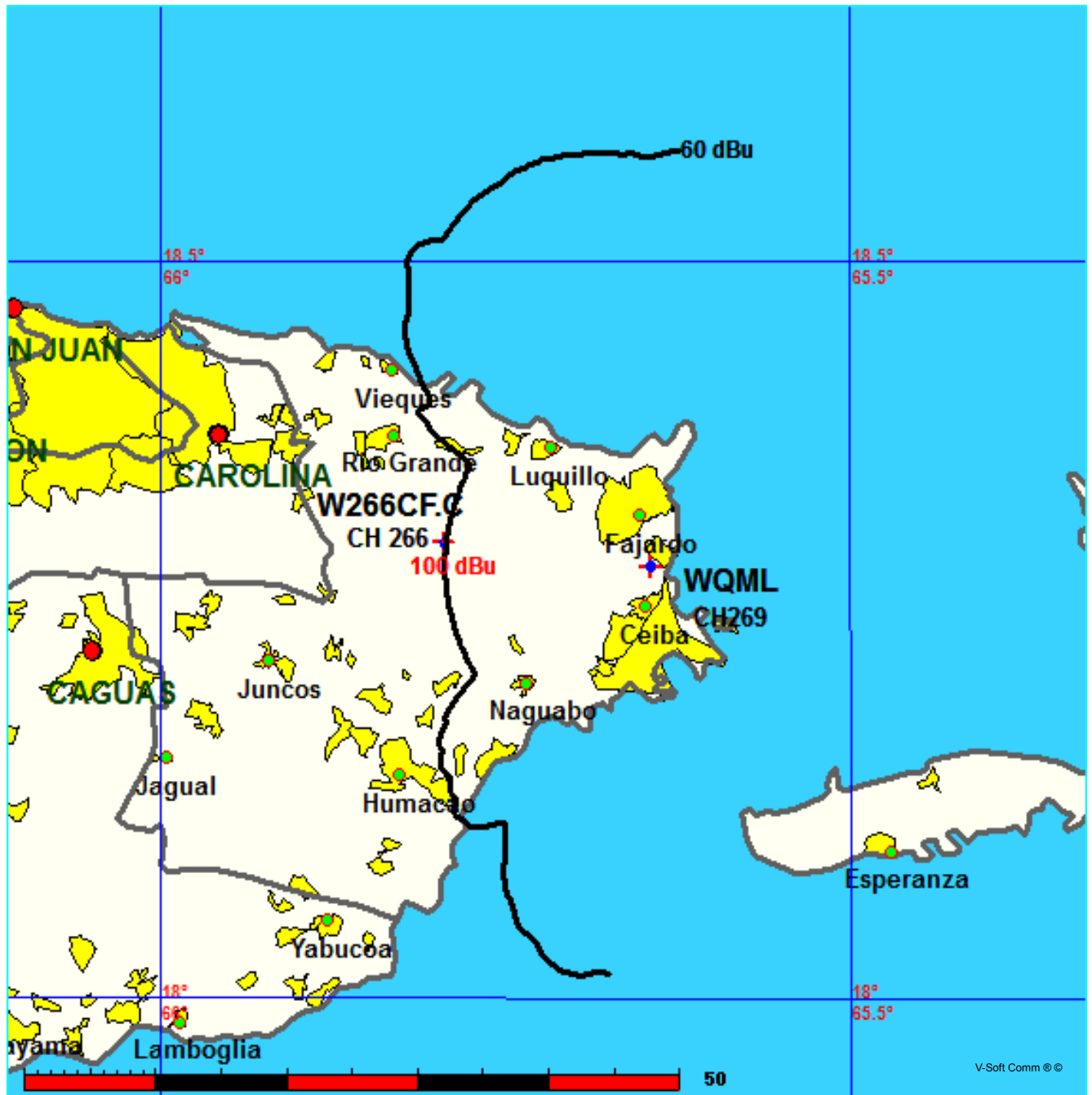


Contour-to-Contour Study - WQML
New Life Broadcasting, Inc.

FMCommander Single Allocation Study - 02-18-2014 - USGS 03 SEC
W266CF.C's Overlaps (In= 9.64 km, Out= 0.17 km)

W266CF.C CH 266 D DA
Lat= 18 18 36.0, Lng= 65 47 41.0
0.1 kW 840.5 M HAAT, 1035 M COR
Prot.= 60 dBu, Intef.= 100 dBu

WQML CH 269 A 73.215 N BLH20131017AOU
Lat= 18 17 37.3, Lng= 65 38 40.3
6.0 kW 70 M HAAT, 140 M COR
Prot.= 60 dBu, Intef.= 100 dBu



02-18-2014

Terrain Data: USGS 03 SEC

FMOver Analysis

WQML BLH20131017AOU

W266CF.C

Channel = 269A

Max ERP = 6 kW

RCAMSL = 140 M

N. Lat. 18 17 37.3

W. Lng. 65 38 40.3

Protected

60 dBu

Channel = 266D

Max ERP = 0.1 kW

RCAMSL = 1035 M

N. Lat. 18 18 36.0

W. Lng. 65 47 41.0

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
217.0	006.0000	0070.3	024.0	176.1	000.0001	0855.8	021.0	36.63	
218.0	006.0000	0070.3	024.0	177.0	000.0001	0850.5	020.8	36.78	
219.0	006.0000	0070.0	024.0	177.8	000.0001	0845.1	020.5	36.94	
220.0	006.0000	0064.4	023.1	177.1	000.0001	0850.0	019.6	37.60	
221.0	006.0000	0063.3	023.0	177.6	000.0001	0846.1	019.2	37.84	
222.0	006.0000	0062.7	022.9	178.3	000.0001	0843.2	018.8	38.06	
223.0	006.0000	0061.0	022.6	178.6	000.0001	0841.6	018.4	38.37	
224.0	006.0000	0057.8	022.1	178.3	000.0001	0842.9	017.7	38.83	
225.0	006.0000	0058.2	022.2	179.4	000.0001	0839.2	017.5	38.96	
226.0	006.0000	0058.3	022.2	180.3	000.0001	0832.8	017.2	39.12	
227.0	006.0000	0056.8	021.9	180.6	000.0001	0830.9	016.8	39.42	
228.0	006.0000	0054.9	021.6	180.6	000.0001	0831.0	016.2	39.80	
229.0	006.0000	0052.8	021.2	180.4	000.0001	0832.2	015.7	40.20	
230.0	006.0000	0052.6	021.1	181.2	000.0001	0824.9	015.4	40.38	
231.0	006.0000	0051.5	020.9	181.4	000.0001	0822.3	015.0	40.16	
232.0	006.0000	0048.0	020.1	180.1	000.0001	0833.9	014.2	40.81	
233.0	006.0000	0045.8	019.6	179.3	000.0001	0839.8	013.6	41.31	
234.0	006.0000	0045.5	019.6	179.9	000.0001	0834.8	013.3	41.55	
235.0	006.0000	0043.1	019.0	178.7	000.0001	0841.6	012.7	42.09	
236.0	006.0000	0039.1	018.0	175.7	000.0001	0857.0	011.9	42.85	
237.0	006.0000	0035.6	017.2	172.6	000.0001	0869.6	011.3	43.53	
238.0	006.0000	0031.1	016.0	167.5	000.0001	0852.2	010.6	44.18	
239.0	006.0000	0024.4	015.8	166.6	000.0001	0848.3	010.2	44.53	
240.0	006.0000	0021.1	015.8	167.1	000.0001	0850.8	009.9	44.82	
241.0	006.0000	0019.3	015.8	167.6	000.0001	0852.3	009.7	45.11	
242.0	006.0000	0011.4	015.8	168.0	000.0001	0853.5	009.4	45.40	
243.0	006.0000	0003.8	015.8	168.5	000.0001	0855.2	009.2	45.70	
244.0	006.0000	-0004.2	015.8	169.0	000.0001	0858.2	008.9	46.02	
245.0	006.0000	-0012.1	015.8	169.4	000.0001	0860.5	008.6	46.34	
246.0	006.0000	-0023.2	015.8	169.9	000.0001	0862.1	008.4	46.66	
247.0	006.0000	-0039.1	015.8	170.3	000.0001	0863.6	008.1	46.99	
248.0	006.0000	-0058.1	015.8	170.8	000.0001	0865.3	007.8	47.34	
249.0	006.0000	-0079.2	015.8	171.2	000.0001	0866.8	007.6	47.71	
250.0	006.0000	-0103.4	015.8	171.7	000.0001	0867.9	007.3	48.10	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
251.0	006.0000	-0131.5	015.8	172.1	000.0001	0868.8	007.0	48.50
252.0	006.0000	-0159.1	015.8	172.5	000.0001	0869.6	006.7	48.92
253.0	006.0000	-0180.4	015.8	173.0	000.0001	0869.2	006.5	49.33
254.0	006.0000	-0198.7	015.8	173.4	000.0001	0867.4	006.2	49.75
255.0	006.0000	-0214.2	015.8	173.8	000.0001	0866.1	005.9	50.18
256.0	006.0000	-0224.8	015.8	174.2	000.0001	0864.6	005.7	50.63
257.0	006.0000	-0230.8	015.8	174.6	000.0001	0862.3	005.4	51.08
258.0	006.0000	-0236.2	015.8	175.0	000.0001	0859.7	005.1	51.55
259.0	006.0000	-0239.0	015.8	175.3	000.0001	0857.8	004.8	52.02
260.0	006.0000	-0247.6	015.8	175.7	000.0001	0857.0	004.6	52.52
261.0	006.0000	-0263.0	015.8	176.0	000.0001	0856.0	004.3	53.08
262.0	006.0000	-0270.1	015.8	176.3	000.0001	0855.3	004.0	53.70
263.0	006.0000	-0276.3	015.8	176.6	000.0001	0854.1	003.7	54.38
264.0	006.0000	-0278.5	015.8	176.9	000.0001	0852.0	003.5	55.10
265.0	006.0000	-0274.4	015.8	177.1	000.0001	0849.9	003.2	55.87
266.0	006.0000	-0269.1	015.8	177.2	000.0001	0848.3	002.9	56.72
267.0	006.0000	-0262.4	015.8	177.3	000.0001	0847.5	002.6	57.68
268.0	006.0000	-0257.8	015.8	177.3	000.0001	0847.7	002.4	58.73
269.0	006.0000	-0258.6	015.8	177.1	000.0001	0849.2	002.1	59.87
270.0	006.0000	-0253.7	015.8	176.8	000.0001	0852.8	001.8	61.07
271.0	006.0000	-0256.6	015.8	176.1	000.0001	0855.8	001.5	62.33
272.0	006.0000	-0257.5	015.8	175.0	000.0001	0859.3	001.3	64.36
273.0	006.0000	-0258.7	015.8	173.0	000.0001	0869.2	001.0	66.44
274.0	006.0000	-0251.7	015.8	169.1	000.0001	0858.8	000.7	69.15
275.0	006.0000	-0246.3	015.8	160.2	000.0001	0804.7	000.5	72.94
276.0	006.0000	-0249.6	015.8	132.8	000.0001	0698.3	000.3	78.35
277.0	006.0000	-0247.1	015.8	065.2	000.0001	0942.1	000.2	78.87
278.0	006.0000	-0235.2	015.8	034.2	000.0162	0982.8	000.5	95.94
279.0	006.0000	-0226.6	015.8	024.5	000.0304	0982.3	000.7	94.74
280.0	006.0000	-0220.7	015.8	020.3	000.0376	0970.1	001.0	92.87
281.0	006.0000	-0205.7	015.8	018.1	000.0415	0966.2	001.2	91.18
282.0	006.0000	-0188.4	015.8	016.9	000.0438	0968.6	001.5	89.32
283.0	006.0000	-0170.7	015.8	016.2	000.0451	0970.1	001.8	88.21
284.0	006.0000	-0152.2	015.8	015.9	000.0459	0970.6	002.1	87.09
285.0	006.0000	-0133.4	015.8	015.7	000.0462	0970.8	002.3	86.00
286.0	006.0000	-0110.5	015.8	015.7	000.0463	0970.8	002.6	84.95
287.0	006.0000	-0082.5	015.8	015.8	000.0461	0970.7	002.9	83.98
288.0	006.0000	-0058.7	015.8	015.9	000.0458	0970.6	003.2	83.09
289.0	006.0000	-0048.3	015.8	016.1	000.0454	0970.3	003.4	82.27
290.0	006.0000	-0044.4	015.8	016.4	000.0449	0969.9	003.7	81.48
291.0	006.0000	-0035.2	015.8	016.6	000.0444	0969.3	004.0	80.72
292.0	006.0000	-0023.5	015.8	016.9	000.0438	0968.6	004.3	80.02
293.0	006.0000	-0007.6	015.8	017.3	000.0432	0967.5	004.5	79.38
294.0	006.0000	0006.0	015.8	017.6	000.0425	0966.8	004.8	78.80
295.0	006.0000	0015.7	015.8	018.0	000.0418	0966.2	005.1	78.28
296.0	006.0000	0024.1	015.8	018.4	000.0411	0966.2	005.4	77.76
297.0	006.0000	0023.4	015.8	018.8	000.0404	0966.8	005.6	77.24
298.0	006.0000	0023.1	015.8	019.2	000.0396	0967.3	005.9	76.73
299.0	006.0000	0030.7	015.9	018.1	000.0416	0966.2	006.2	76.48
300.0	006.0000	0035.3	017.1	008.7	000.0595	0984.1	006.8	77.15
301.0	006.0000	0045.0	019.5	354.1	000.0851	1010.2	008.3	76.82

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
302.0	006.0000	0047.9	020.1	352.1	000.0878	1010.5	008.9	76.18
303.0	006.0000	0053.7	021.3	348.2	000.0926	1011.8	010.0	75.27
304.0	006.0000	0053.5	021.3	349.8	000.0909	1012.2	010.2	74.95
305.0	006.0000	0051.5	020.9	352.9	000.0868	1009.9	010.2	74.75
306.0	006.0000	0051.7	020.9	354.1	000.0852	1010.2	010.5	74.38
307.0	006.0000	0053.1	021.2	354.3	000.0850	1010.2	011.0	73.92
308.0	006.0000	0058.8	022.3	351.9	000.0881	1010.8	012.0	73.18
309.0	006.0000	0063.6	023.0	350.9	000.0896	1011.7	012.8	72.55
310.0	006.0000	0067.8	023.7	350.3	000.0903	1012.1	013.6	71.98
311.0	006.0000	0074.0	024.6	349.3	000.0915	1012.1	014.6	71.30
312.0	006.0000	0077.5	025.1	349.4	000.0914	1012.2	015.2	71.36
313.0	006.0000	0082.4	025.8	349.1	000.0917	1012.1	016.1	70.83
314.0	006.0000	0084.7	026.2	349.7	000.0911	1012.2	016.6	70.46
315.0	006.0000	0086.1	026.4	350.6	000.0900	1011.9	017.0	70.14
316.0	006.0000	0088.7	026.7	351.1	000.0893	1011.5	017.6	69.74
317.0	006.0000	0092.5	027.3	351.3	000.0889	1011.3	018.3	69.27
318.0	006.0000	0095.1	027.6	351.9	000.0881	1010.7	018.9	68.88
319.0	006.0000	0099.0	028.2	352.3	000.0876	1010.3	019.6	68.41
320.0	006.0000	0105.0	028.9	352.3	000.0877	1010.3	020.5	67.85
321.0	006.0000	0110.5	029.6	352.4	000.0874	1010.1	021.4	67.32
322.0	006.0000	0112.4	029.9	353.3	000.0863	1010.1	021.9	66.99
323.0	006.0000	0113.4	030.0	354.3	000.0849	1010.2	022.2	66.70
324.0	006.0000	0113.3	030.0	355.5	000.0832	1010.4	022.5	66.45
325.0	006.0000	0112.0	029.8	356.8	000.0811	1009.4	022.6	66.25
326.0	006.0000	0110.7	029.7	358.1	000.0790	1006.6	022.8	66.04
327.0	006.0000	0108.3	029.4	359.6	000.0767	1003.6	022.8	65.87
328.0	006.0000	0109.1	029.5	000.5	000.0751	1001.3	023.2	65.55
329.0	006.0000	0110.8	029.7	001.3	000.0736	0998.9	023.6	65.18
330.0	006.0000	0113.3	030.0	002.0	000.0723	0997.0	024.2	64.78
331.0	006.0000	0115.5	030.2	002.7	000.0710	0994.2	024.6	64.39
332.0	006.0000	0116.5	030.3	003.6	000.0693	0989.6	025.0	64.04
333.0	006.0000	0118.4	030.5	004.4	000.0679	0987.1	025.5	63.67
334.0	006.0000	0119.7	030.7	005.3	000.0663	0985.3	025.9	63.33
335.0	006.0000	0121.0	030.8	006.1	000.0646	0983.9	026.3	62.98
336.0	006.0000	0122.2	031.0	007.0	000.0629	0984.5	026.7	62.65

Contour-to-Contour - WRIO
New Life Broadcasting, Inc.

FMCommander Single Allocation Study - 02-18-2014 - USGS 03 SEC
W266CF.C's Overlaps (In= -38.45 km, Out= 0.68 km)

W266CF.C CH 266 D DA
Lat= 18 18 36.0, Lng= 65 47 41.0
0.1 kW 840.5 M HAAT, 1035 M COR
Prot.= 60 dBu, Intef.= 34 dBu

WRIO CH 266 B BLH19860609KA
Lat= 18 01 40.0, Lng= 66 39 14.0
50.0 kW -14 M HAAT, 176 M COR
Prot.= 54 dBu, Intef.= 40 dBu



02-18-2014

Terrain Data: USGS 03 SEC

FMOver Analysis

WRIO BLH19860609KA

W266CF.C

Channel = 266B

Max ERP = 50 kW

RCAMSL = 176 M

N. Lat. 18 01 40.0

W. Lng. 66 39 14.0

Protected

54 dBu

Channel = 266D

Max ERP = 0.1 kW

RCAMSL = 1035 M

N. Lat. 18 18 36.0

W. Lng. 65 47 41.0

Interfering

34 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
011.0	050.0000	-0298.7	036.1	272.9	000.0124	0754.5	083.9	32.03	
012.0	050.0000	-0309.3	036.1	272.8	000.0123	0753.7	083.3	32.19	
013.0	050.0000	-0310.3	036.1	272.8	000.0122	0752.7	082.6	32.34	
014.0	050.0000	-0314.1	036.1	272.7	000.0121	0751.6	082.0	32.48	
015.0	050.0000	-0308.8	036.1	272.6	000.0120	0750.4	081.4	32.61	
016.0	050.0000	-0303.3	036.1	272.5	000.0119	0749.2	080.8	32.74	
017.0	050.0000	-0294.7	036.1	272.4	000.0118	0748.0	080.2	32.87	
018.0	050.0000	-0283.3	036.1	272.3	000.0116	0746.8	079.6	32.98	
019.0	050.0000	-0267.2	036.1	272.1	000.0114	0745.7	079.0	33.09	
020.0	050.0000	-0254.3	036.1	272.0	000.0113	0744.6	078.4	33.20	
021.0	050.0000	-0246.2	036.1	271.8	000.0111	0743.6	077.8	33.30	
022.0	050.0000	-0239.5	036.1	271.7	000.0109	0742.8	077.2	33.39	
023.0	050.0000	-0247.1	036.1	271.5	000.0107	0742.0	076.6	33.48	
024.0	050.0000	-0250.6	036.1	271.3	000.0105	0741.2	076.0	33.56	
025.0	050.0000	-0230.9	036.1	271.1	000.0103	0740.2	075.4	33.63	
026.0	050.0000	-0223.8	036.1	270.9	000.0100	0739.0	074.9	33.69	
027.0	050.0000	-0220.2	036.1	270.7	000.0098	0736.9	074.3	33.73	
028.0	050.0000	-0228.8	036.1	270.5	000.0096	0734.6	073.7	33.75	
029.0	050.0000	-0228.9	036.1	270.3	000.0093	0732.2	073.2	33.77	
030.0	050.0000	-0218.8	036.1	270.0	000.0090	0731.1	072.6	33.79	
031.0	050.0000	-0196.1	036.1	269.8	000.0087	0730.3	072.1	33.79	
032.0	050.0000	-0186.7	036.1	269.5	000.0084	0728.8	071.6	33.75	
033.0	050.0000	-0178.6	036.1	269.2	000.0080	0727.7	071.0	33.71	
034.0	050.0000	-0178.8	036.1	268.9	000.0076	0727.3	070.5	33.67	
035.0	050.0000	-0178.7	036.1	268.6	000.0073	0727.4	070.0	33.61	
036.0	050.0000	-0187.1	036.1	268.3	000.0069	0727.3	069.5	33.54	
037.0	050.0000	-0181.7	036.1	268.0	000.0065	0727.9	069.0	33.46	
038.0	050.0000	-0161.3	036.1	267.7	000.0062	0728.3	068.5	33.36	
039.0	050.0000	-0148.8	036.1	267.3	000.0058	0728.9	068.0	33.24	
040.0	050.0000	-0139.9	036.1	266.9	000.0054	0728.7	067.6	33.09	
041.0	050.0000	-0136.7	036.1	266.6	000.0050	0728.1	067.1	32.91	
042.0	050.0000	-0147.5	036.1	266.2	000.0047	0726.5	066.7	32.69	
043.0	050.0000	-0154.8	036.1	265.8	000.0043	0725.2	066.3	32.45	
044.0	050.0000	-0141.1	036.1	265.4	000.0039	0724.2	065.8	32.19	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
045.0	050.0000	-0125.1	036.1	265.0	000.0036	0722.5	065.4	31.89
046.0	050.0000	-0111.2	036.1	264.5	000.0033	0719.2	065.0	31.65
047.0	050.0000	-0101.4	036.1	264.1	000.0031	0714.7	064.6	31.38
048.0	050.0000	-0095.1	036.1	263.6	000.0028	0710.9	064.3	31.08
049.0	050.0000	-0084.9	036.1	263.2	000.0026	0709.2	063.9	30.78
050.0	050.0000	-0075.0	036.1	262.7	000.0023	0708.1	063.6	30.46
051.0	050.0000	-0058.7	036.1	262.2	000.0021	0706.1	063.2	30.09
052.0	050.0000	-0045.9	036.1	261.7	000.0019	0704.0	062.9	29.68
053.0	050.0000	-0038.5	036.1	261.2	000.0017	0702.0	062.6	29.23
054.0	050.0000	-0020.8	036.1	260.7	000.0015	0701.9	062.3	28.76
055.0	050.0000	-0016.2	036.1	260.2	000.0013	0700.7	062.1	28.21
056.0	050.0000	-0013.1	036.1	259.6	000.0011	0698.7	061.8	27.71
057.0	050.0000	-0005.9	036.1	259.1	000.0010	0696.3	061.6	27.21
058.0	050.0000	-0004.4	036.1	258.6	000.0009	0691.5	061.3	26.63
059.0	050.0000	0001.5	036.1	258.0	000.0007	0685.3	061.1	25.97
060.0	050.0000	0006.1	036.1	257.4	000.0006	0680.6	060.9	25.27
061.0	050.0000	0008.6	036.1	256.9	000.0005	0679.7	060.8	24.53
062.0	050.0000	-0000.1	036.1	256.3	000.0004	0679.7	060.6	23.72
063.0	050.0000	0002.7	036.1	255.7	000.0003	0680.3	060.4	22.80
064.0	050.0000	0014.4	036.1	255.1	000.0003	0678.9	060.3	21.71
065.0	050.0000	0027.7	036.1	254.5	000.0002	0677.3	060.2	21.15
066.0	050.0000	0031.9	036.9	254.0	000.0002	0676.1	059.3	21.09
067.0	050.0000	0043.2	041.9	254.0	000.0002	0676.0	054.3	22.87
068.0	050.0000	0055.0	046.5	253.7	000.0002	0676.0	049.7	24.31
069.0	050.0000	0063.0	048.8	252.9	000.0002	0674.7	047.3	24.54
070.0	050.0000	0069.4	050.4	251.9	000.0001	0668.4	045.7	24.22
071.0	050.0000	0077.8	052.4	250.8	000.0001	0659.1	043.7	23.79
072.0	050.0000	0091.0	055.2	249.4	000.0001	0643.8	040.8	23.86
073.0	050.0000	0100.0	057.1	247.8	000.0001	0629.2	039.1	24.39
074.0	050.0000	0106.5	058.3	246.1	000.0001	0607.1	038.0	24.50
075.0	050.0000	0110.9	059.1	244.4	000.0001	0593.5	037.4	24.53
076.0	050.0000	0111.8	059.2	242.8	000.0001	0581.5	037.4	24.29
077.0	050.0000	0112.3	059.3	241.2	000.0001	0580.5	037.6	24.20
078.0	050.0000	0113.4	059.5	239.7	000.0001	0586.9	037.7	24.25
079.0	050.0000	0113.9	059.6	238.1	000.0001	0586.3	038.0	24.12
080.0	050.0000	0113.6	059.6	236.7	000.0001	0589.8	038.4	24.00
081.0	050.0000	0112.7	059.4	235.4	000.0001	0591.9	039.0	23.79
082.0	050.0000	0111.7	059.2	234.2	000.0001	0594.2	039.7	23.57
083.0	050.0000	0110.3	059.0	233.1	000.0001	0594.3	040.4	23.27
084.0	050.0000	0113.0	059.4	231.5	000.0001	0600.6	040.5	23.32
085.0	050.0000	0115.0	059.8	230.0	000.0001	0602.4	040.8	23.23
086.0	050.0000	0116.4	060.0	228.6	000.0001	0611.9	041.2	23.21
087.0	050.0000	0117.7	060.2	227.3	000.0001	0617.1	041.7	23.08
088.0	050.0000	0120.4	060.7	225.8	000.0001	0616.9	042.1	22.93
089.0	050.0000	0123.9	061.2	224.3	000.0001	0620.9	042.4	22.85
090.0	050.0000	0128.2	061.9	222.6	000.0001	0633.4	042.8	22.90
091.0	050.0000	0131.9	062.4	221.1	000.0001	0644.6	043.2	22.88
092.0	050.0000	0134.5	062.8	219.8	000.0001	0654.2	043.8	22.77
093.0	050.0000	0136.4	063.1	218.7	000.0001	0660.9	044.5	22.58
094.0	050.0000	0138.6	063.5	217.5	000.0001	0665.6	045.2	22.35
095.0	050.0000	0141.1	063.8	216.4	000.0001	0662.9	046.0	22.03

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
096.0	050.0000	0143.8	064.2	215.3	000.0001	0665.4	046.8	21.77
097.0	050.0000	0146.9	064.6	214.2	000.0001	0668.9	047.6	21.52
098.0	050.0000	0149.6	065.0	213.2	000.0001	0671.9	048.4	21.24
099.0	050.0000	0151.8	065.3	212.3	000.0001	0677.4	049.3	20.98
100.0	050.0000	0154.1	065.6	211.5	000.0001	0683.3	050.3	20.71
101.0	050.0000	0156.1	065.9	210.8	000.0001	0688.2	051.3	20.42
102.0	050.0000	0157.8	066.1	210.2	000.0001	0692.1	052.3	20.09
103.0	050.0000	0159.3	066.3	209.6	000.0001	0696.3	053.3	19.76
104.0	050.0000	0160.7	066.4	209.1	000.0001	0699.5	054.4	19.41
105.0	050.0000	0162.0	066.6	208.6	000.0001	0701.4	055.5	19.04
106.0	050.0000	0163.6	066.8	208.2	000.0001	0701.1	056.6	18.64
107.0	050.0000	0164.9	066.9	207.8	000.0001	0700.1	057.7	18.22
108.0	050.0000	0166.0	067.1	207.5	000.0001	0698.6	058.8	17.80
109.0	050.0000	0166.8	067.2	207.2	000.0001	0697.1	060.0	17.38
110.0	050.0000	0167.5	067.2	207.0	000.0001	0696.0	061.1	16.96
111.0	050.0000	0168.2	067.3	206.8	000.0001	0694.6	062.3	16.55
112.0	050.0000	0168.8	067.4	206.7	000.0001	0693.5	063.4	16.15
113.0	050.0000	0169.3	067.4	206.5	000.0001	0692.6	064.6	15.76
114.0	050.0000	0169.9	067.5	206.4	000.0001	0691.7	065.8	15.37
115.0	050.0000	0170.4	067.6	206.4	000.0001	0690.9	067.0	14.99
116.0	050.0000	0170.8	067.6	206.3	000.0001	0690.4	068.1	14.61
117.0	050.0000	0171.1	067.6	206.3	000.0001	0690.2	069.3	14.24
118.0	050.0000	0171.5	067.7	206.3	000.0001	0690.1	070.5	13.87
119.0	050.0000	0171.7	067.7	206.3	000.0001	0690.3	071.7	13.51
120.0	050.0000	0171.9	067.7	206.3	000.0001	0690.7	072.9	13.16
121.0	050.0000	0172.1	067.7	206.4	000.0001	0691.3	074.0	12.80
122.0	050.0000	0172.2	067.8	206.5	000.0001	0692.0	075.2	12.45
123.0	050.0000	0172.4	067.8	206.6	000.0001	0692.7	076.4	12.10
124.0	050.0000	0172.5	067.8	206.7	000.0001	0693.5	077.6	11.75
125.0	050.0000	0172.8	067.8	206.8	000.0001	0694.2	078.8	11.40
126.0	050.0000	0172.9	067.8	206.9	000.0001	0695.1	079.9	11.05
127.0	050.0000	0173.1	067.9	207.0	000.0001	0696.0	081.1	10.70
128.0	050.0000	0173.3	067.9	207.1	000.0001	0696.7	082.3	10.34
129.0	050.0000	0173.4	067.9	207.3	000.0001	0697.5	083.4	09.98
130.0	050.0000	0173.6	067.9	207.5	000.0001	0698.5	084.6	09.63

Contour-to-Contour Study - WXYX-FM2
New Life Broadcasting, Inc.

FMCommander Single Allocation Study - 02-18-2014 - USGS 03 SEC
W266CF.C's Overlaps (In= 10.11 km, Out= 3.85 km)

W266CF.C CH 266 D DA
Lat= 18 18 36.0, Lng= 65 47 41.0
0.1 kW 840.5 M HAAT, 1035 M COR
Prot.= 60 dBu, Intef.= 100 dBu

WXYX-FM2 CH 264 D BLFTB20040622AAW
Lat= 18 16 50.0, Lng= 65 40 13.0
0.15 kW 0 M HAAT, 330 M COR
Prot.= 60 dBu, Intef.= 100 dBu



02-18-2014

Terrain Data: USGS 03 SEC

FMOver Analysis

WXYX-FM2 BLFTB20040622AAW

W266CF.C

Channel = 264D

Max ERP = 0.15 kW

RCAMSL = 330 M

N. Lat. 18 16 50.0

W. Lng. 65 40 13.0

Protected

60 dBu

Channel = 266D

Max ERP = 0.1 kW

RCAMSL = 1035 M

N. Lat. 18 18 36.0

W. Lng. 65 47 41.0

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
224.0	000.1500	0277.4	019.2	180.6	000.0001	0830.8	017.1	39.21	
225.0	000.1500	0272.9	019.0	181.0	000.0001	0826.4	016.7	39.43	
226.0	000.1500	0269.1	018.9	181.5	000.0001	0821.6	016.4	39.63	
227.0	000.1500	0265.7	018.8	182.0	000.0001	0817.6	016.1	39.83	
228.0	000.1500	0262.4	018.6	182.6	000.0001	0811.2	015.8	40.02	
229.0	000.1500	0258.0	018.5	183.0	000.0001	0809.3	015.4	40.26	
230.0	000.1500	0255.8	018.4	183.6	000.0001	0807.2	015.1	40.46	
231.0	000.1500	0255.4	018.4	184.4	000.0001	0802.9	014.9	40.13	
232.0	000.1500	0255.5	018.4	185.3	000.0001	0795.4	014.7	40.28	
233.0	000.1500	0254.3	018.3	186.0	000.0001	0785.5	014.4	40.44	
234.0	000.1500	0251.8	018.3	186.6	000.0001	0785.5	014.1	40.68	
235.0	000.1500	0250.1	018.2	187.3	000.0001	0785.0	013.8	40.91	
236.0	000.1500	0247.8	018.1	187.9	000.0001	0780.9	013.5	41.14	
237.0	000.1500	0243.0	017.9	188.2	000.0001	0778.7	013.2	41.44	
238.0	000.1500	0237.8	017.7	188.5	000.0001	0776.5	012.8	41.75	
239.0	000.1500	0235.4	017.6	189.0	000.0001	0767.2	012.5	41.98	
240.0	000.1500	0238.9	017.8	190.4	000.0001	0743.0	012.4	42.00	
241.0	000.1500	0236.4	017.7	191.0	000.0001	0734.9	012.1	42.24	
242.0	000.1500	0231.1	017.5	191.2	000.0001	0731.3	011.7	42.58	
243.0	000.1500	0224.6	017.2	191.1	000.0001	0732.8	011.3	42.99	
244.0	000.1500	0215.1	016.8	190.5	000.0001	0742.5	010.8	43.52	
245.0	000.1500	0205.7	016.4	189.6	000.0001	0756.4	010.4	44.07	
246.0	000.1500	0191.4	015.8	187.6	000.0001	0782.4	009.8	44.77	
247.0	000.1500	0169.9	014.9	183.5	000.0001	0807.4	009.1	45.62	
248.0	000.1500	0146.4	013.7	177.0	000.0001	0850.3	008.4	46.55	
249.0	000.1500	0121.8	012.5	169.1	000.0001	0858.9	007.9	47.23	
250.0	000.1500	0103.0	011.5	162.3	000.0001	0817.6	007.6	47.56	
251.0	000.1500	0082.5	010.4	153.5	000.0001	0766.7	007.4	47.63	
252.0	000.1500	0062.8	009.1	143.8	000.0001	0726.3	007.6	47.35	
253.0	000.1500	0042.1	007.3	131.4	000.0001	0716.3	008.2	46.47	
254.0	000.1500	0023.8	006.2	125.0	000.0001	0776.2	008.7	46.00	
255.0	000.1500	-0001.3	006.2	124.5	000.0001	0776.6	008.6	46.10	
256.0	000.1500	-0024.7	006.2	124.0	000.0001	0776.0	008.5	46.20	
257.0	000.1500	-0053.3	006.2	123.5	000.0001	0777.8	008.5	46.31	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
258.0	000.1500	-0082.1	006.2	123.0	000.0001	0778.9	008.4	46.40
259.0	000.1500	-0109.0	006.2	122.5	000.0001	0781.6	008.3	46.51
260.0	000.1500	-0132.3	006.2	121.9	000.0001	0784.0	008.2	46.60
261.0	000.1500	-0153.3	006.2	121.3	000.0001	0785.8	008.2	46.70
262.0	000.1500	-0175.6	006.2	120.8	000.0001	0788.1	008.1	46.79
263.0	000.1500	-0180.8	006.2	120.1	000.0001	0786.5	008.0	46.87
264.0	000.1500	-0185.7	006.2	119.5	000.0001	0787.6	008.0	46.96
265.0	000.1500	-0188.3	006.2	118.9	000.0001	0787.1	007.9	47.04
266.0	000.1500	-0194.7	006.2	118.2	000.0001	0787.1	007.8	47.12
267.0	000.1500	-0205.6	006.2	117.5	000.0001	0785.5	007.8	47.19
268.0	000.1500	-0215.1	006.2	116.8	000.0001	0787.7	007.7	47.27
269.0	000.1500	-0218.6	006.2	116.1	000.0001	0787.5	007.7	47.34
270.0	000.1500	-0215.0	006.2	115.4	000.0001	0791.1	007.6	47.42
271.0	000.1500	-0218.0	006.2	114.6	000.0001	0797.4	007.6	47.50
272.0	000.1500	-0222.3	006.2	113.9	000.0001	0800.4	007.5	47.56
273.0	000.1500	-0224.0	006.2	113.1	000.0001	0800.5	007.5	47.62
274.0	000.1500	-0219.3	006.2	112.3	000.0001	0795.6	007.5	47.66
275.0	000.1500	-0210.4	006.2	111.5	000.0001	0790.8	007.4	47.69
276.0	000.1500	-0203.9	006.2	110.7	000.0001	0782.5	007.4	47.71
277.0	000.1500	-0198.7	006.2	109.9	000.0001	0775.6	007.4	47.73
278.0	000.1500	-0192.0	006.2	109.1	000.0001	0778.7	007.4	47.78
279.0	000.1500	-0187.0	006.2	108.2	000.0001	0784.9	007.3	47.82
280.0	000.1500	-0191.0	006.2	107.4	000.0001	0781.4	007.3	47.83
281.0	000.1500	-0193.1	006.2	106.5	000.0001	0776.1	007.3	47.84
282.0	000.1500	-0195.5	006.2	105.7	000.0001	0770.5	007.3	47.84
283.0	000.1500	-0203.3	006.2	104.8	000.0001	0764.1	007.3	47.83
284.0	000.1500	-0203.6	006.2	104.0	000.0001	0761.5	007.3	47.82
285.0	000.1500	-0195.2	006.2	103.1	000.0001	0762.1	007.3	47.82
286.0	000.1500	-0179.1	006.2	102.3	000.0001	0763.3	007.3	47.82
287.0	000.1500	-0165.3	006.2	101.4	000.0001	0770.8	007.3	47.82
288.0	000.1500	-0159.1	006.2	100.6	000.0001	0778.2	007.3	47.83
289.0	000.1500	-0150.0	006.2	099.7	000.0001	0784.2	007.3	47.82
290.0	000.1500	-0121.5	006.2	098.9	000.0001	0792.0	007.4	47.81
291.0	000.1500	-0087.3	006.2	098.1	000.0001	0800.7	007.4	47.80
292.0	000.1500	-0058.0	006.2	097.3	000.0001	0807.3	007.4	47.78
293.0	000.1500	-0025.7	006.2	096.4	000.0001	0810.1	007.4	47.74
294.0	000.1500	0008.1	006.2	095.6	000.0001	0814.2	007.5	47.71
295.0	000.1500	0038.6	007.0	092.6	000.0001	0805.9	006.8	48.71
296.0	000.1500	0058.7	008.8	083.5	000.0001	0854.7	005.2	51.34
297.0	000.1500	0075.2	009.9	073.9	000.0001	0907.8	004.5	52.75
298.0	000.1500	0086.2	010.6	065.7	000.0001	0942.5	004.1	53.44
299.0	000.1500	0093.6	011.0	059.4	000.0001	0956.1	004.1	54.35
300.0	000.1500	0102.4	011.5	052.1	000.0007	0962.1	004.0	62.79
301.0	000.1500	0115.4	012.2	042.1	000.0064	0966.3	004.0	72.23
302.0	000.1500	0129.9	012.9	032.1	000.0189	0983.1	004.2	76.56
303.0	000.1500	0138.2	013.3	026.7	000.0267	0984.7	004.4	77.52
304.0	000.1500	0142.7	013.5	024.3	000.0307	0982.0	004.7	77.61
305.0	000.1500	0154.5	014.1	018.0	000.0419	0966.2	005.1	78.31
306.0	000.1500	0167.9	014.8	012.1	000.0530	0977.7	005.5	78.57
307.0	000.1500	0184.0	015.5	007.1	000.0627	0984.6	006.1	78.44
308.0	000.1500	0197.8	016.1	004.0	000.0687	0988.4	006.6	78.04

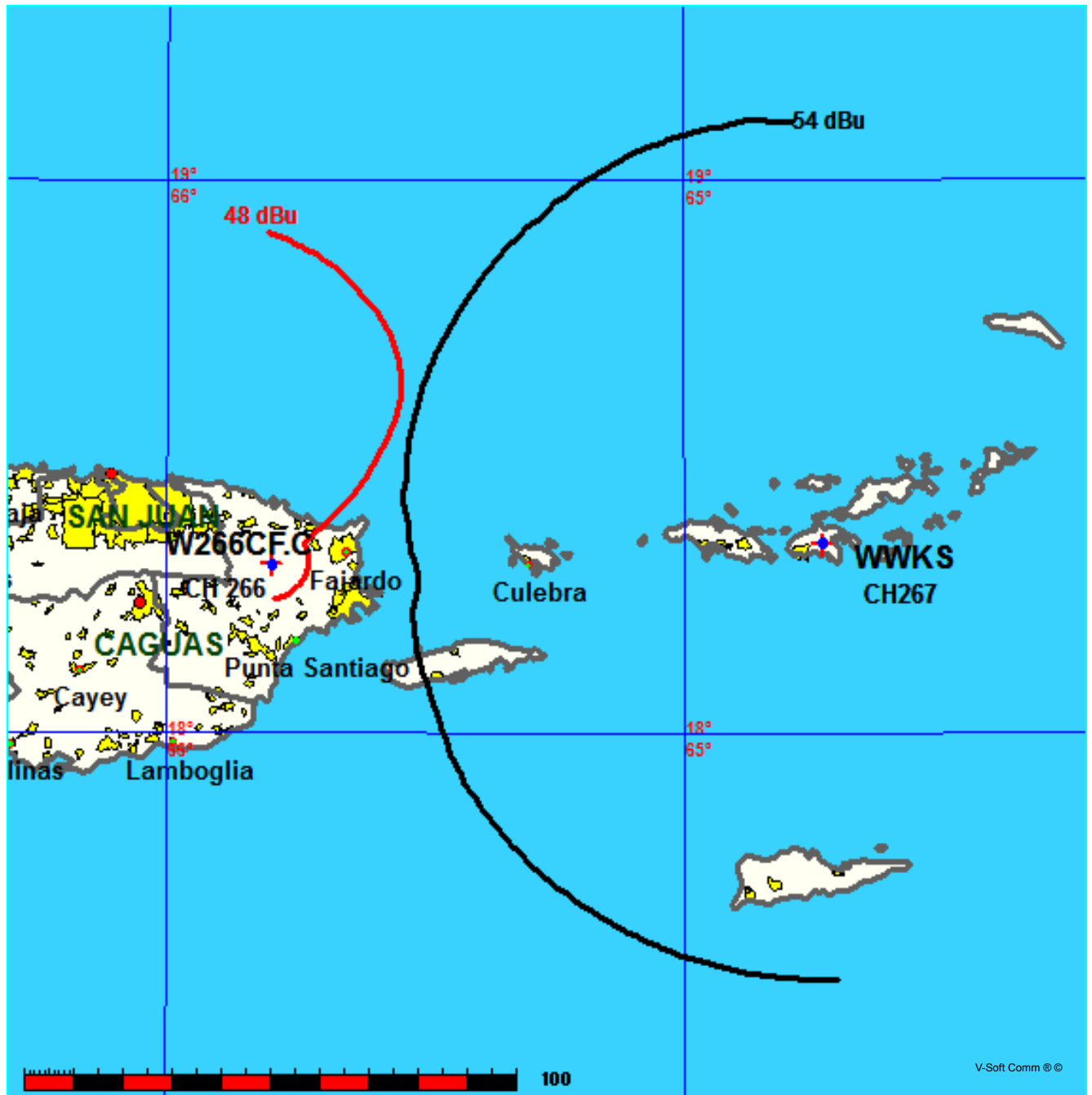
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
309.0	000.1500	0201.6	016.2		004.2	000.0683	0987.8	007.0	77.54
310.0	000.1500	0201.7	016.2		005.4	000.0660	0984.9	007.2	77.04
311.0	000.1500	0197.4	016.1		007.9	000.0611	0984.6	007.3	76.52
312.0	000.1500	0198.6	016.1		008.7	000.0594	0984.1	007.6	76.04
313.0	000.1500	0207.1	016.5		007.7	000.0614	0984.6	008.0	75.62
314.0	000.1500	0213.8	016.8		007.3	000.0622	0984.6	008.4	75.20
315.0	000.1500	0221.1	017.1		006.9	000.0629	0984.5	008.8	74.78
316.0	000.1500	0223.3	017.1		007.6	000.0616	0984.6	009.1	74.36
317.0	000.1500	0226.2	017.3		008.2	000.0604	0984.5	009.4	73.94
318.0	000.1500	0226.6	017.3		009.3	000.0584	0983.4	009.7	73.53
319.0	000.1500	0226.4	017.3		010.4	000.0562	0981.4	009.9	73.12
320.0	000.1500	0227.3	017.3		011.3	000.0544	0979.6	010.2	72.71
321.0	000.1500	0232.7	017.5		011.5	000.0541	0979.3	010.6	72.32
322.0	000.1500	0237.9	017.7		011.7	000.0538	0978.8	010.9	71.93
323.0	000.1500	0242.7	017.9		012.0	000.0532	0978.0	011.3	71.55
324.0	000.1500	0248.0	018.1		012.3	000.0526	0976.8	011.6	71.16
325.0	000.1500	0251.8	018.2		012.8	000.0516	0974.9	012.0	70.77
326.0	000.1500	0254.7	018.4		013.5	000.0504	0973.2	012.3	70.40
327.0	000.1500	0256.9	018.4		014.2	000.0491	0972.4	012.6	70.03
328.0	000.1500	0257.6	018.5		015.1	000.0474	0971.6	012.8	69.66
329.0	000.1500	0259.7	018.5		015.8	000.0460	0970.7	013.1	69.29
330.0	000.1500	0262.8	018.7		016.4	000.0448	0969.8	013.4	68.92
331.0	000.1500	0265.9	018.8		017.0	000.0436	0968.2	013.7	68.55
332.0	000.1500	0268.7	018.9		017.7	000.0424	0966.7	014.0	68.18
333.0	000.1500	0271.3	019.0		018.4	000.0411	0966.2	014.3	67.82
334.0	000.1500	0276.0	019.1		018.8	000.0403	0966.9	014.7	67.47
335.0	000.1500	0280.7	019.3		019.3	000.0394	0967.5	015.1	67.68
336.0	000.1500	0285.5	019.5		019.8	000.0385	0968.4	015.4	67.34
337.0	000.1500	0290.0	019.6		020.3	000.0376	0970.1	015.8	67.01
338.0	000.1500	0293.2	019.7		020.9	000.0364	0972.6	016.1	66.68
339.0	000.1500	0294.5	019.8		021.7	000.0350	0975.4	016.3	66.35
340.0	000.1500	0295.3	019.8		022.5	000.0336	0977.5	016.6	66.01
341.0	000.1500	0295.9	019.8		023.4	000.0322	0979.8	016.8	65.67
342.0	000.1500	0290.8	019.6		024.6	000.0302	0982.5	016.9	65.33
343.0	000.1500	0283.7	019.4		026.0	000.0279	0984.5	017.0	64.97

Contour-to-Contour Study - WWKS
New Life Broadcasting, Inc.

FMCommander Single Allocation Study - 02-18-2014 - USGS 03 SEC
W266CF.C's Overlaps (In= -4.28 km, Out= 8.34 km)

W266CF.C CH 266 D DA
Lat= 18 18 36.0, Lng= 65 47 41.0
0.1 kW 840.5 M HAAT, 1035 M COR
Prot.= 60 dBu, Intef.= 48 dBu

WWKS CH 267 B BLH19970310KC
Lat= 18 20 30.0, Lng= 64 43 59.0
50.0 kW 374 M HAAT, 415 M COR
Prot.= 54 dBu, Intef.= 54 dBu



02-18-2014

Terrain Data: USGS 03 SEC

FMOver Analysis

WWKS BLH19970310KC

W266CF.C

Channel = 267B

Max ERP = 50 kW

RCAMSL = 415 M

N. Lat. 18 20 30.0

W. Lng. 64 43 59.0

Protected

54 dBu

Channel = 266D

Max ERP = 0.1 kW

RCAMSL = 1035 M

N. Lat. 18 18 36.0

W. Lng. 65 47 41.0

Interfering

48 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
208.0	050.0000	0415.0	087.6	136.0	000.0001	0673.2	102.6	03.81	
209.0	050.0000	0415.0	087.6	136.2	000.0001	0672.8	101.2	04.21	
210.0	050.0000	0415.0	087.6	136.5	000.0001	0672.6	099.7	04.62	
211.0	050.0000	0415.0	087.6	136.7	000.0001	0672.9	098.2	05.04	
212.0	050.0000	0415.0	087.6	137.0	000.0001	0674.2	096.8	05.48	
213.0	050.0000	0415.0	087.6	137.2	000.0001	0675.8	095.3	05.94	
214.0	050.0000	0415.0	087.6	137.4	000.0001	0677.0	093.8	06.40	
215.0	050.0000	0415.0	087.6	137.7	000.0001	0677.8	092.3	06.87	
216.0	050.0000	0415.0	087.6	137.9	000.0001	0678.5	090.8	07.35	
217.0	050.0000	0415.0	087.6	138.1	000.0001	0679.3	089.3	07.83	
218.0	050.0000	0415.0	087.6	138.3	000.0001	0679.9	087.8	08.32	
219.0	050.0000	0415.0	087.6	138.4	000.0001	0680.5	086.3	08.81	
220.0	050.0000	0415.0	087.6	138.6	000.0001	0681.5	084.8	09.30	
221.0	050.0000	0415.0	087.6	138.7	000.0001	0682.5	083.3	09.80	
222.0	050.0000	0415.0	087.6	138.9	000.0001	0683.6	081.8	10.30	
223.0	050.0000	0414.9	087.6	139.0	000.0001	0684.7	080.3	10.79	
224.0	050.0000	0414.3	087.6	139.1	000.0001	0685.3	078.7	11.27	
225.0	050.0000	0413.8	087.6	139.2	000.0001	0685.7	077.2	11.75	
226.0	050.0000	0413.4	087.5	139.2	000.0001	0686.1	075.7	12.23	
227.0	050.0000	0413.0	087.5	139.3	000.0001	0686.4	074.2	12.70	
228.0	050.0000	0412.6	087.5	139.3	000.0001	0686.5	072.6	13.17	
229.0	050.0000	0412.3	087.4	139.3	000.0001	0686.5	071.1	13.64	
230.0	050.0000	0411.9	087.4	139.3	000.0001	0686.4	069.6	14.11	
231.0	050.0000	0411.7	087.4	139.2	000.0001	0686.2	068.1	14.58	
232.0	050.0000	0411.5	087.4	139.2	000.0001	0685.9	066.5	15.06	
233.0	050.0000	0411.3	087.4	139.1	000.0001	0685.3	065.0	15.53	
234.0	050.0000	0411.1	087.4	139.0	000.0001	0684.6	063.5	16.02	
235.0	050.0000	0411.1	087.4	138.9	000.0001	0683.4	062.0	16.51	
236.0	050.0000	0410.3	087.3	138.7	000.0001	0681.9	060.5	17.01	
237.0	050.0000	0409.0	087.2	138.4	000.0001	0680.3	059.0	17.51	
238.0	050.0000	0407.3	087.1	138.0	000.0001	0679.2	057.5	18.03	
239.0	050.0000	0406.0	087.0	137.7	000.0001	0677.8	056.0	18.54	
240.0	050.0000	0404.6	086.9	137.2	000.0001	0676.0	054.5	19.05	
241.0	050.0000	0403.0	086.8	136.8	000.0001	0673.0	053.1	19.55	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
242.0	050.0000	0399.5	086.5	136.1	000.0001	0673.0	051.7	20.06
243.0	050.0000	0395.6	086.3	135.3	000.0001	0675.1	050.3	20.59
244.0	050.0000	0392.9	086.1	134.5	000.0001	0680.1	049.0	21.15
245.0	050.0000	0390.1	085.9	133.7	000.0001	0688.4	047.6	21.75
246.0	050.0000	0387.9	085.7	132.9	000.0001	0697.1	046.3	22.37
247.0	050.0000	0386.4	085.6	132.0	000.0001	0709.5	045.0	23.04
248.0	050.0000	0385.5	085.6	131.1	000.0001	0721.0	043.6	23.72
249.0	050.0000	0385.1	085.5	130.1	000.0001	0732.0	042.3	24.40
250.0	050.0000	0382.9	085.4	128.9	000.0001	0737.4	041.1	24.98
251.0	050.0000	0383.0	085.4	127.8	000.0001	0745.6	039.8	25.62
252.0	050.0000	0382.7	085.4	126.6	000.0001	0758.2	038.6	26.30
253.0	050.0000	0381.5	085.3	125.1	000.0001	0775.0	037.5	27.00
254.0	050.0000	0381.6	085.3	123.7	000.0001	0777.2	036.3	27.54
255.0	050.0000	0382.0	085.3	122.2	000.0001	0783.2	035.2	28.12
256.0	050.0000	0381.0	085.2	120.4	000.0001	0787.2	034.1	28.63
257.0	050.0000	0379.5	085.1	118.4	000.0001	0787.1	033.2	29.07
258.0	050.0000	0377.6	085.0	116.3	000.0001	0787.3	032.3	29.47
259.0	050.0000	0375.8	084.9	114.0	000.0001	0800.1	031.6	29.97
260.0	050.0000	0374.6	084.8	111.6	000.0001	0792.0	030.8	30.26
261.0	050.0000	0371.9	084.6	109.1	000.0001	0778.7	030.2	30.42
262.0	050.0000	0365.7	084.2	106.2	000.0001	0773.4	030.0	30.51
263.0	050.0000	0357.5	083.6	103.2	000.0001	0762.2	029.9	30.40
264.0	050.0000	0347.9	082.9	100.1	000.0001	0781.6	030.1	30.51
265.0	050.0000	0343.6	082.6	097.3	000.0001	0807.1	030.1	30.79
266.0	050.0000	0342.8	082.5	094.6	000.0001	0814.8	029.8	30.98
267.0	050.0000	0347.2	082.8	091.9	000.0001	0807.2	029.4	31.17
268.0	050.0000	0354.8	083.4	089.1	000.0001	0833.3	028.7	31.75
269.0	050.0000	0361.2	083.8	086.2	000.0001	0853.3	028.3	32.17
270.0	050.0000	0364.5	084.1	083.2	000.0001	0855.4	028.2	32.26
271.0	050.0000	0368.5	084.4	080.1	000.0001	0874.1	028.1	32.45
272.0	050.0000	0370.7	084.5	077.1	000.0001	0888.5	028.3	32.49
273.0	050.0000	0372.8	084.7	074.2	000.0001	0906.4	028.6	32.49
274.0	050.0000	0374.9	084.8	071.3	000.0001	0923.4	028.9	32.45
275.0	050.0000	0383.7	085.4	068.1	000.0001	0939.1	029.0	32.57
276.0	050.0000	0389.3	085.8	065.2	000.0001	0942.1	029.3	32.40
277.0	050.0000	0392.2	086.0	062.5	000.0001	0946.5	030.0	32.12
278.0	050.0000	0393.0	086.1	060.2	000.0001	0952.9	030.8	31.77
279.0	050.0000	0391.1	086.0	058.2	000.0001	0958.8	031.9	33.21
280.0	050.0000	0393.7	086.1	056.0	000.0002	0961.0	032.7	34.66
281.0	050.0000	0394.5	086.2	054.1	000.0004	0959.8	033.7	36.63
282.0	050.0000	0398.4	086.5	052.0	000.0007	0962.1	034.7	39.14
283.0	050.0000	0400.6	086.6	050.3	000.0011	0961.9	035.8	40.55
284.0	050.0000	0402.9	086.8	048.7	000.0017	0961.3	036.9	41.85
285.0	050.0000	0404.4	086.9	047.3	000.0024	0960.2	038.1	42.71
286.0	050.0000	0405.2	087.0	046.0	000.0030	0959.5	039.4	43.22
287.0	050.0000	0406.6	087.0	044.8	000.0037	0962.2	040.6	43.65
288.0	050.0000	0408.0	087.1	043.8	000.0047	0964.0	041.9	44.14
289.0	050.0000	0408.3	087.2	042.9	000.0056	0965.4	043.3	44.35
290.0	050.0000	0409.6	087.3	042.0	000.0066	0966.4	044.7	44.51
291.0	050.0000	0410.8	087.3	041.2	000.0075	0968.4	046.1	44.57
292.0	050.0000	0411.4	087.4	040.5	000.0084	0970.7	047.5	44.52

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
293.0	050.0000	0412.6	087.5		039.8	000.0092	0973.3	048.9	44.43
294.0	050.0000	0413.6	087.5		039.3	000.0098	0975.6	050.3	44.22
295.0	050.0000	0414.4	087.6		038.8	000.0104	0977.6	051.8	43.96
296.0	050.0000	0414.9	087.6		038.3	000.0109	0979.2	053.3	43.64
297.0	050.0000	0415.0	087.6		038.0	000.0113	0980.4	054.8	43.28
298.0	050.0000	0415.0	087.6		037.7	000.0117	0981.3	056.3	42.90
299.0	050.0000	0415.0	087.6		037.4	000.0120	0982.1	057.8	42.49
300.0	050.0000	0415.0	087.6		037.2	000.0122	0982.5	059.3	42.07
301.0	050.0000	0415.0	087.6		037.1	000.0125	0982.7	060.8	41.64
302.0	050.0000	0415.0	087.6		036.9	000.0126	0982.8	062.4	41.20
303.0	050.0000	0415.0	087.6		036.8	000.0128	0983.0	063.9	40.76
304.0	050.0000	0415.0	087.6		036.7	000.0129	0983.0	065.4	40.32
305.0	050.0000	0415.0	087.6		036.7	000.0130	0983.1	066.9	39.86
306.0	050.0000	0415.0	087.6		036.6	000.0130	0983.1	068.5	39.39
307.0	050.0000	0415.0	087.6		036.6	000.0130	0983.1	070.0	38.90
308.0	050.0000	0414.8	087.6		036.6	000.0130	0983.1	071.5	38.41
309.0	050.0000	0414.9	087.6		036.7	000.0130	0983.1	073.0	37.91
310.0	050.0000	0415.0	087.6		036.7	000.0129	0983.0	074.6	37.41
311.0	050.0000	0415.0	087.6		036.8	000.0128	0983.0	076.1	36.90
312.0	050.0000	0415.0	087.6		036.9	000.0127	0982.9	077.6	36.38
313.0	050.0000	0415.0	087.6		037.0	000.0126	0982.8	079.1	35.87
314.0	050.0000	0415.0	087.6		037.1	000.0124	0982.7	080.7	35.36
315.0	050.0000	0415.0	087.6		037.2	000.0123	0982.5	082.2	34.84
316.0	050.0000	0415.0	087.6		037.4	000.0121	0982.3	083.7	34.32
317.0	050.0000	0415.0	087.6		037.5	000.0119	0981.8	085.2	33.79
318.0	050.0000	0413.8	087.6		037.7	000.0116	0981.2	086.7	33.24
319.0	050.0000	0409.1	087.2		038.1	000.0111	0979.9	088.2	32.62
320.0	050.0000	0406.7	087.1		038.4	000.0108	0978.9	089.6	32.04
321.0	050.0000	0414.3	087.6		038.3	000.0109	0979.4	091.2	31.64
322.0	050.0000	0414.3	087.6		038.5	000.0107	0978.6	092.7	31.09
323.0	050.0000	0414.0	087.6		038.7	000.0104	0977.7	094.2	30.52
324.0	050.0000	0414.6	087.6		038.9	000.0102	0976.8	095.7	29.97
325.0	050.0000	0415.0	087.6		039.2	000.0099	0976.0	097.2	29.40
326.0	050.0000	0415.0	087.6		039.4	000.0097	0975.0	098.6	28.83
327.0	050.0000	0415.0	087.6		039.7	000.0094	0974.0	100.1	28.24