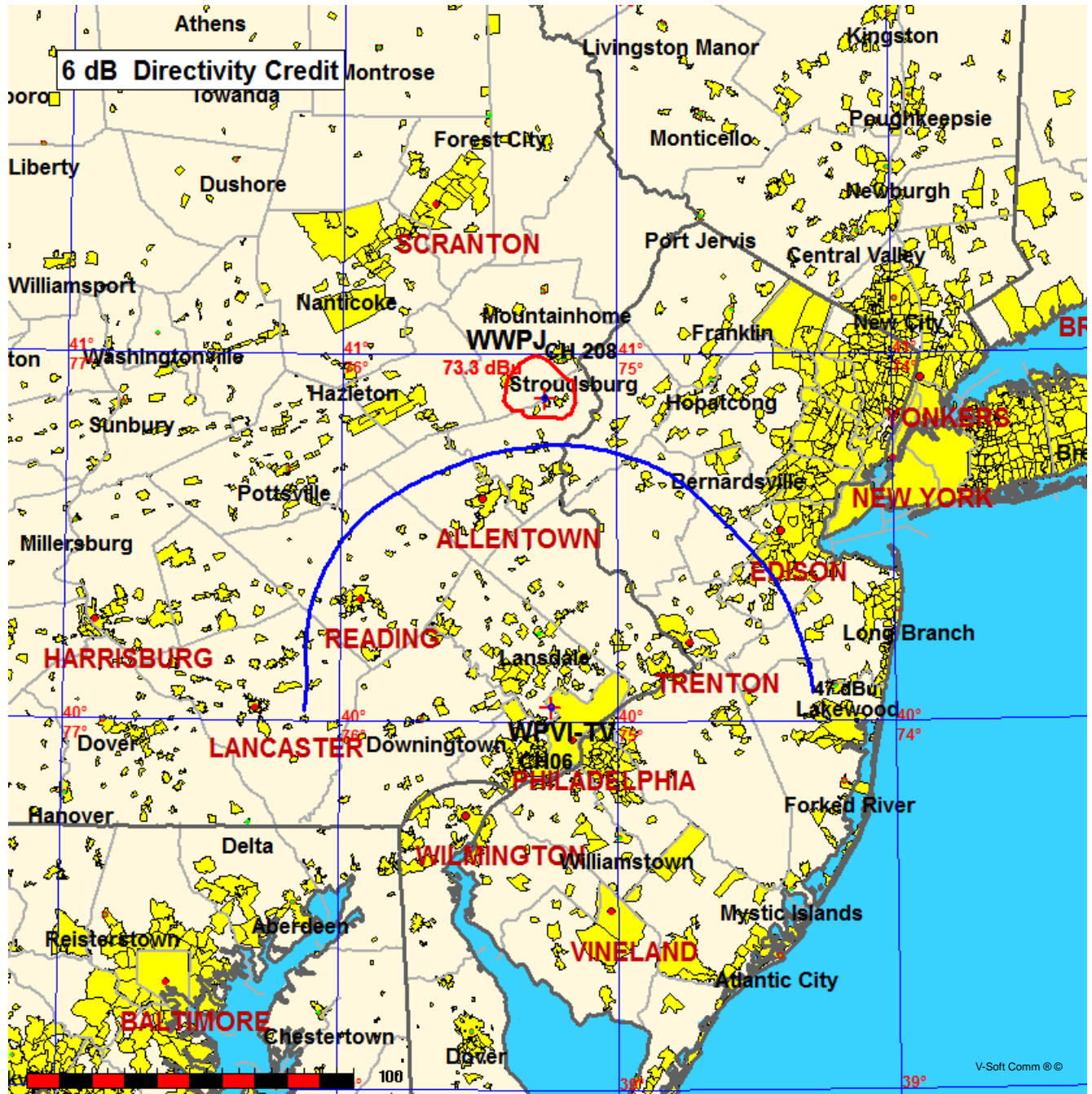


Channel-Six TV 73.525 Map
Mercer County Community College

FMCommander Single Allocation Study - 09-11-2010 - FCC NGDC 30 Sec
WWPJ's Overlaps (In= 2.61 km, Out= 0.31 km)

WWPJ CH 208 A DA
Lat= 40 53 00.7, Lng= 75 15 43.4
0.5125 kW 335.7 M HAAT, 557 M C
Intef. = 73.3 dBu Prot. = 47 dBu

WPVI-TV CH 06 1C BPCDT20080208ADW
Lat= 40 02 39.0, Lng= 75 14 26.0
7.56 kW 332 M HAAT, 404 M COR



Channel-Six TV Protection Study

WPVI-TV CP 06 1C Dom 7.560 kW 332 M HAAT THN Non-DA
Philadelphia PA 404.0 M COR AMSL
Lat= 40 02 39.0, Lng= 75 14 26.0
Abc, Inc.
Fac ID# 8616 BPCDT20080208ADW
Dist.=93.34 km, Azi=178.9°, Rev Azi=358.9°

Direct line HAAT Grade B, 47 dBu= 78.81 km & Grade A= 34.25 km

Distance from reference to Grade B = 14.53 km

Cutoff Dist from Full Service or Class CA= 196

Maximum Co-located power= 14.8 kW

WPVI-TV Signal Contour at Reference location = 40.8 dBu

CH. 208, U/D ratio = 26.3 dB, Maximum FM signal = 73.3 dBu , 6 dB credit added

TV/FM D to U values

47.0	73.3	55.0	72.3	63.0	73.9	71.0	78.7	79.0	85.0	87.0	91.6
48.0	73.0	56.0	72.4	64.0	74.4	72.0	79.5	80.0	85.8	88.0	92.4
49.0	72.6	57.0	72.5	65.0	74.8	73.0	80.2	81.0	86.6	89.0	93.3
50.0	72.3	58.0	72.6	66.0	75.4	74.0	81.0	82.0	87.4	90.0	94.2
51.0	72.2	59.0	72.8	67.0	76.0	75.0	81.8	83.0	88.2	91.0	94.2
52.0	72.2	60.0	73.0	68.0	76.6	76.0	82.6	84.0	89.0	92.0	94.2
53.0	72.1	61.0	73.3	69.0	77.3	77.0	83.4	85.0	89.9	93.0	94.2
54.0	72.2	62.0	73.5	70.0	78.0	78.0	84.2	86.0	90.7	94.0	94.2

09-11-2010 Terrain Data

WPVI-TV BPCDT20080208ADW

WWPJ

Channel = 06 1C
Max ERP = 7.56 kW
RCAMSL = 404 M
N. Lat. 40 02 39.0
W. Lng. 75 14 26.0
Protected
47 dBu

Channel = 208A
Max ERP = 0.5 kW
RCAMSL = 557 M
N. Lat. 40 53 00.7
W. Lng. 75 15 43.4
Interfering
73.3 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
299.0	007.5600	0352.1	080.4	231.7	000.1153	0291.6	087.1	29.96	
300.0	007.5600	0354.4	080.6	232.2	000.1183	0288.6	086.0	30.33	
301.0	007.5600	0356.4	080.7	232.7	000.1209	0285.6	084.8	30.73	
302.0	007.5600	0357.6	080.8	233.1	000.1232	0282.5	083.5	31.13	
303.0	007.5600	0358.3	080.9	233.5	000.1255	0279.5	082.2	31.54	
304.0	007.5600	0358.7	080.9	233.8	000.1276	0276.1	080.9	31.93	
305.0	007.5600	0359.4	080.9	234.2	000.1298	0272.4	079.6	32.32	
306.0	007.5600	0360.1	081.0	234.5	000.1320	0268.5	078.2	32.71	
307.0	007.5600	0360.9	081.1	234.9	000.1342	0264.3	076.9	33.10	
308.0	007.5600	0361.5	081.1	235.3	000.1364	0260.2	075.6	33.48	
309.0	007.5600	0361.8	081.1	235.6	000.1384	0256.1	074.2	33.87	
310.0	007.5600	0362.0	081.1	235.9	000.1404	0252.2	072.9	34.25	
311.0	007.5600	0362.2	081.1	236.2	000.1423	0248.2	071.5	34.64	
312.0	007.5600	0362.2	081.1	236.5	000.1442	0244.6	070.1	35.03	
313.0	007.5600	0361.8	081.1	236.7	000.1458	0241.5	068.8	35.44	
314.0	007.5600	0360.9	081.1	237.0	000.1472	0238.9	067.4	35.87	
315.0	007.5600	0359.7	081.0	237.1	000.1484	0236.7	066.0	36.31	
316.0	007.5600	0358.4	080.9	237.3	000.1495	0234.8	064.6	36.75	
317.0	007.5600	0356.9	080.8	237.4	000.1503	0233.4	063.2	37.22	
318.0	007.5600	0355.2	080.6	237.5	000.1510	0232.2	061.8	37.71	
319.0	007.5600	0353.4	080.5	237.6	000.1515	0231.4	060.4	38.22	
320.0	007.5600	0351.5	080.4	237.7	000.1519	0230.8	058.9	38.74	
321.0	007.5600	0349.4	080.2	237.7	000.1520	0230.6	057.5	39.28	
322.0	007.5600	0346.9	080.0	237.7	000.1517	0231.0	056.1	39.85	
323.0	007.5600	0344.3	079.8	237.6	000.1512	0231.8	054.7	40.43	
324.0	007.5600	0341.9	079.7	237.5	000.1506	0232.8	053.3	41.01	
325.0	007.5600	0340.1	079.5	237.4	000.1502	0233.6	051.9	41.59	
326.0	007.5600	0338.7	079.4	237.3	000.1497	0234.4	050.5	42.18	
327.0	007.5600	0337.4	079.3	237.3	000.1491	0235.4	049.2	42.76	
328.0	007.5600	0336.2	079.2	237.1	000.1483	0236.8	047.8	43.35	
329.0	007.5600	0335.1	079.2	237.0	000.1474	0238.5	046.4	43.95	
330.0	007.5600	0334.1	079.1	236.8	000.1462	0240.7	045.0	44.58	
331.0	007.5600	0332.5	079.0	236.5	000.1445	0244.0	043.7	45.23	
332.0	007.5600	0330.6	078.8	236.2	000.1422	0248.6	042.3	45.91	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
333.0	007.5600	0328.7	078.7	235.8	000.1395	0253.9	041.0	46.61
334.0	007.5600	0327.3	078.6	235.3	000.1370	0259.1	039.6	47.30
335.0	007.5600	0326.6	078.5	234.9	000.1344	0264.0	038.3	48.00
336.0	007.5600	0326.3	078.5	234.5	000.1318	0269.0	036.9	48.70
337.0	007.5600	0325.9	078.5	234.0	000.1287	0274.2	035.6	49.40
338.0	007.5600	0325.7	078.5	233.4	000.1253	0279.7	034.3	50.09
339.0	007.5600	0325.5	078.5	232.8	000.1215	0284.9	033.0	50.76
340.0	007.5600	0325.4	078.4	232.0	000.1172	0289.8	031.7	51.41
341.0	007.5600	0325.2	078.4	231.2	000.1124	0294.3	030.4	52.06
342.0	007.5600	0325.1	078.4	230.3	000.1071	0298.3	029.1	52.71
343.0	007.5600	0325.2	078.4	229.2	000.1022	0302.1	027.9	53.39
344.0	007.5600	0325.3	078.4	228.0	000.0972	0306.3	026.6	54.10
345.0	007.5600	0325.3	078.4	226.6	000.0915	0311.9	025.4	54.82
346.0	007.5600	0325.4	078.4	225.1	000.0853	0319.0	024.2	55.56
347.0	007.5600	0325.5	078.5	223.3	000.0786	0326.0	023.0	56.24
348.0	007.5600	0325.7	078.5	221.3	000.0713	0330.3	021.9	56.78
349.0	007.5600	0325.8	078.5	219.1	000.0648	0335.4	020.8	57.34
350.0	007.5600	0325.9	078.5	216.5	000.0596	0341.6	019.8	57.94
351.0	007.5600	0325.6	078.5	213.6	000.0539	0342.9	018.9	58.30
352.0	007.5600	0325.1	078.4	210.3	000.0479	0347.8	018.0	58.61
353.0	007.5600	0324.6	078.4	206.6	000.0438	0354.8	017.2	59.03
354.0	007.5600	0324.3	078.4	202.6	000.0398	0357.7	016.6	59.24
355.0	007.5600	0324.6	078.4	198.3	000.0359	0363.0	015.9	59.44
356.0	007.5600	0325.5	078.4	193.7	000.0325	0368.1	015.4	59.57
357.0	007.5600	0327.0	078.6	188.8	000.0298	0377.8	014.9	59.84
358.0	007.5600	0328.8	078.7	183.7	000.0301	0398.6	014.6	60.70
359.0	007.5600	0330.6	078.8	178.3	000.0301	0388.3	014.4	60.72
000.0	007.5600	0331.8	078.9	172.8	000.0296	0376.1	014.4	60.39
001.0	007.5600	0332.2	078.9	167.4	000.0297	0377.3	014.6	60.18
002.0	007.5600	0332.7	079.0	162.3	000.0306	0386.0	015.0	60.09
003.0	007.5600	0333.2	079.0	157.5	000.0340	0393.8	015.5	60.32
004.0	007.5600	0333.8	079.1	153.0	000.0397	0395.5	016.1	60.53
005.0	007.5600	0334.3	079.1	148.9	000.0464	0417.2	016.8	61.13
006.0	007.5600	0334.9	079.1	145.2	000.0554	0418.5	017.7	61.26
007.0	007.5600	0335.1	079.2	142.0	000.0641	0414.1	018.6	61.03
008.0	007.5600	0334.8	079.1	139.2	000.0701	0409.1	019.6	60.50
009.0	007.5600	0334.5	079.1	136.8	000.0725	0402.8	020.7	59.64
010.0	007.5600	0334.2	079.1	134.6	000.0748	0399.1	021.8	58.82
011.0	007.5600	0333.7	079.1	132.8	000.0766	0398.7	023.0	58.04
012.0	007.5600	0333.3	079.0	131.1	000.0783	0396.3	024.2	57.20
013.0	007.5600	0333.2	079.0	129.7	000.0793	0393.7	025.4	56.34
014.0	007.5600	0333.0	079.0	128.4	000.0801	0392.0	026.6	55.50
015.0	007.5600	0332.7	079.0	127.3	000.0840	0391.2	027.9	54.88
016.0	007.5600	0332.3	079.0	126.3	000.0873	0390.8	029.2	54.26
017.0	007.5600	0332.2	078.9	125.4	000.0901	0390.2	030.5	53.65
018.0	007.5600	0332.2	078.9	124.7	000.0926	0389.5	031.8	53.06
019.0	007.5600	0332.2	078.9	124.0	000.0946	0388.7	033.1	52.50
020.0	007.5600	0332.5	079.0	123.4	000.0997	0387.9	034.5	52.07
021.0	007.5600	0332.8	079.0	122.9	000.1031	0387.4	035.8	51.58
022.0	007.5600	0333.1	079.0	122.4	000.1033	0387.1	037.2	50.96
023.0	007.5600	0332.9	079.0	122.1	000.1035	0387.0	038.5	50.35

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
024.0	007.5600	0332.1	078.9	121.8	000.1032	0387.0	039.9	49.73
025.0	007.5600	0331.2	078.9	121.7	000.1028	0386.9	041.3	49.12
026.0	007.5600	0330.4	078.8	121.6	000.1025	0386.9	042.6	48.53
027.0	007.5600	0329.6	078.8	121.5	000.1023	0386.9	044.0	47.95
028.0	007.5600	0328.5	078.7	121.5	000.1023	0386.9	045.4	47.39
029.0	007.5600	0327.0	078.6	121.5	000.1024	0386.9	046.7	46.85
030.0	007.5600	0325.4	078.4	121.6	000.1025	0386.9	048.1	46.33
031.0	007.5600	0323.4	078.3	121.7	000.1028	0386.9	049.5	45.83
032.0	007.5600	0321.2	078.1	121.9	000.1032	0387.0	050.9	45.33
033.0	007.5600	0318.9	078.0	122.1	000.1035	0387.0	052.2	44.82
034.0	007.5600	0316.8	077.8	122.3	000.1034	0387.1	053.6	44.30
035.0	007.5600	0314.8	077.7	122.5	000.1033	0387.2	054.9	43.79
036.0	007.5600	0313.0	077.5	122.7	000.1032	0387.3	056.3	43.28
037.0	007.5600	0311.2	077.4	122.9	000.1031	0387.4	057.6	42.78
038.0	007.5600	0309.4	077.3	123.1	000.1020	0387.6	058.9	42.24
039.0	007.5600	0307.7	077.1	123.4	000.1000	0387.9	060.3	41.67
040.0	007.5600	0306.2	077.0	123.6	000.0981	0388.2	061.6	41.10
041.0	007.5600	0304.9	076.9	123.8	000.0962	0388.4	062.9	40.55
042.0	007.5600	0304.1	076.9	124.0	000.0946	0388.7	064.2	40.01
043.0	007.5600	0304.0	076.9	124.2	000.0940	0388.9	065.6	39.52
044.0	007.5600	0303.9	076.9	124.4	000.0935	0389.2	066.9	39.04
045.0	007.5600	0303.8	076.8	124.6	000.0929	0389.4	068.2	38.56
046.0	007.5600	0303.8	076.8	124.8	000.0922	0389.6	069.5	38.08
047.0	007.5600	0304.3	076.9	125.0	000.0917	0389.8	070.8	37.60
048.0	007.5600	0305.2	076.9	125.1	000.0911	0389.9	072.2	37.12
049.0	007.5600	0305.9	077.0	125.3	000.0904	0390.1	073.5	36.64
050.0	007.5600	0306.5	077.0	125.6	000.0897	0390.3	074.8	36.16
051.0	007.5600	0307.3	077.1	125.8	000.0890	0390.5	076.1	35.68
052.0	007.5600	0308.3	077.2	126.0	000.0883	0390.6	077.4	35.20
053.0	007.5600	0309.6	077.3	126.2	000.0877	0390.7	078.7	34.72
054.0	007.5600	0311.4	077.4	126.4	000.0871	0390.8	080.1	34.25
055.0	007.5600	0313.9	077.6	126.5	000.0866	0390.9	081.4	33.77
056.0	007.5600	0317.0	077.8	126.7	000.0862	0391.0	082.8	33.29
057.0	007.5600	0319.9	078.0	126.9	000.0857	0391.0	084.1	32.81
058.0	007.5600	0322.2	078.2	127.1	000.0850	0391.1	085.5	32.32