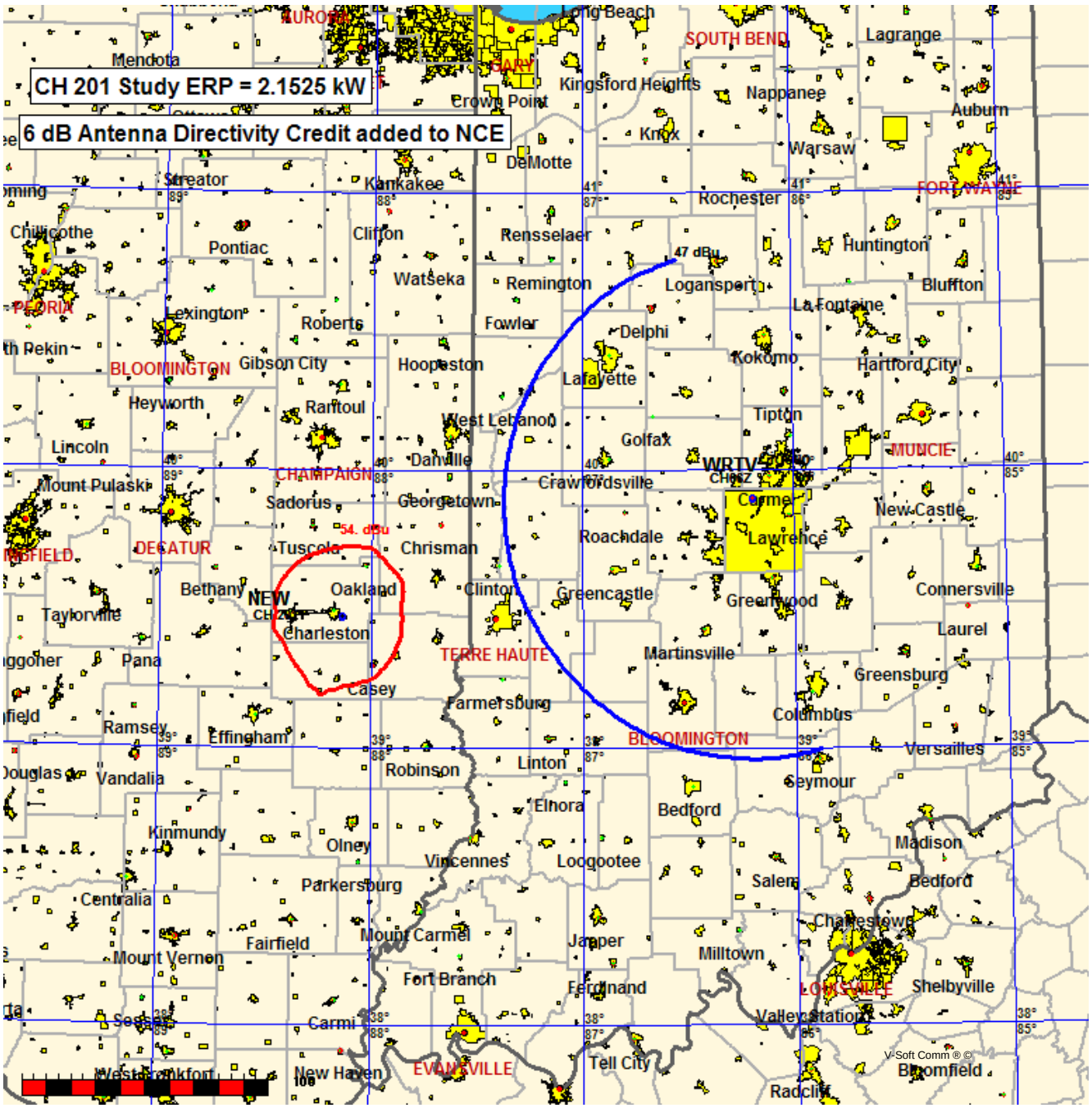
WRTV, Channel-Six, TV Protection
Illinois Bible Institute

FMCommander Single Allocation Study
07-18-2007

NEW CH 201 A WRTV CH 06Z 1C BMLCT20050414ABE
2.153 kW 271.5 M COR 100.0 kW, 534 M COR
Intef. = 54.0 dBu Prot. = 47 dBu Scale = 1:4,000,000



Channel-Six TV Protection Study

WRTV LI 06Z 1C Dom Int 100.000 kW 279 M HAAT VHY
Indianapolis IN 534.0 M COR AMSL
Lat= 39 53 56.5, Lng= 86 12 03.7
Mcgraw-hill Broadcasting Com BMLCT20050414ABE
Fac ID# 40877, Cutoff Date=53897628
Dist.=172.82 km, Azi=73.6°, Rev Azi=254.8°

Direct line HAAT Grade B, 47 dBu= 101.1 km & Grade A= 52.43 km

Distance from reference to Grade B = 71.72 km
Cutoff Dist from Full Service or Class CA= 265
Maximum Co-located power= 1.1 kW
WRTV Signal Contour at Reference location = 28.5 dBu
CH. 201, U/D ratio = 7.0 dB, Maximum FM signal = 54.0 dBu , 6 dB credit added

TV/FM D to U values

47.0	54.0	55.0	59.7	63.0	65.4	71.0	72.1	79.0	79.4	87.0	86.7
48.0	54.7	56.0	60.4	64.0	66.1	72.0	73.0	80.0	80.3	88.0	87.7
49.0	55.3	57.0	61.1	65.0	66.9	73.0	73.9	81.0	81.2	89.0	88.6
50.0	56.0	58.0	61.7	66.0	67.7	74.0	74.7	82.0	82.1	90.0	89.5
51.0	56.7	59.0	62.4	67.0	68.6	75.0	75.7	83.0	83.0	91.0	89.5
52.0	57.5	60.0	63.1	68.0	69.4	76.0	76.6	84.0	83.9	92.0	89.5
53.0	58.2	61.0	63.9	69.0	70.3	77.0	77.5	85.0	84.9	93.0	89.5
54.0	58.9	62.0	64.6	70.0	71.2	78.0	78.4	86.0	85.8	94.0	89.5

07-18-2007 NGDC 30 SEC Terrain Data, 6 dB added to NCE

WRTV BMLCT20050414ABE	NEW
Channel = 06Z1C	Channel = 201A
Max ERP = 100 kW	Max ERP = 2.1525 kW
RCAMSL = 534 M	RCAMSL = 271.5 M
N. Lat. 39 53 56.5	N. Lat. 39 28 38.0
W. Lng. 86 12 03.7	W. Lng. 88 08 25.0
Protected	Interfering
47 dBu	54 dBu

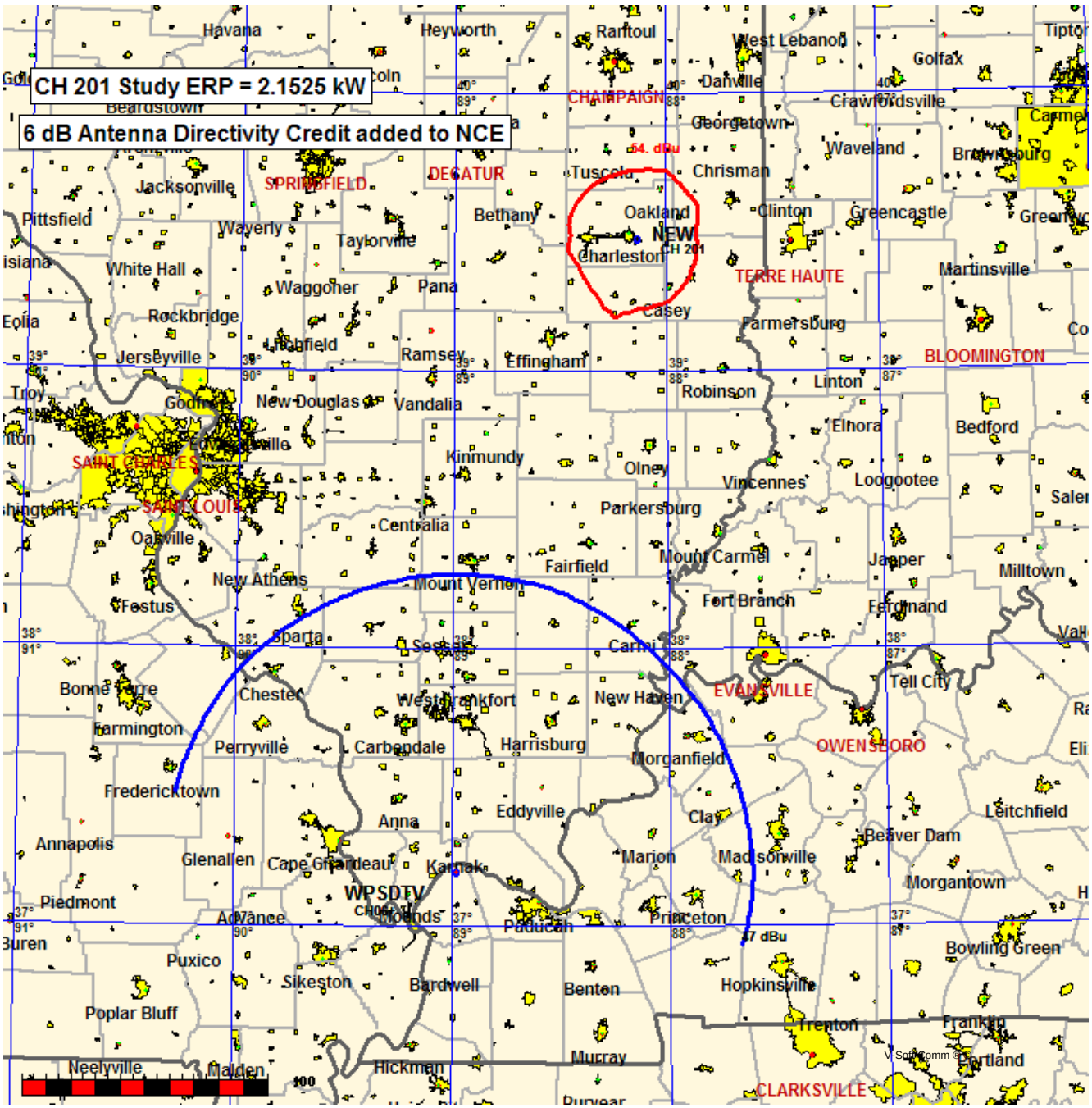
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
195.0	100.0000	0306.9	104.1	110.5	002.1525	0059.7	150.3	21.31
196.0	100.0000	0306.7	104.1	110.6	002.1525	0059.7	148.6	21.60
197.0	100.0000	0306.5	104.1	110.6	002.1525	0059.7	146.8	21.93
198.0	100.0000	0306.1	104.1	110.7	002.1525	0059.7	145.0	22.26
199.0	100.0000	0305.8	104.0	110.7	002.1525	0059.7	143.1	22.60
200.0	100.0000	0305.5	104.0	110.7	002.1525	0059.7	141.3	22.93
201.0	100.0000	0305.1	104.0	110.7	002.1525	0059.7	139.5	23.27
202.0	100.0000	0304.4	103.9	110.7	002.1525	0059.7	137.7	23.62
203.0	100.0000	0303.7	103.9	110.7	002.1525	0059.7	135.9	23.96
204.0	100.0000	0303.1	103.8	110.6	002.1525	0059.7	134.0	24.30
205.0	100.0000	0302.7	103.8	110.6	002.1525	0059.7	132.2	24.63
206.0	100.0000	0302.2	103.7	110.5	002.1525	0059.7	130.4	24.97
207.0	100.0000	0301.6	103.7	110.4	002.1525	0059.6	128.6	25.30
208.0	100.0000	0300.8	103.6	110.3	002.1525	0059.6	126.8	25.63
209.0	100.0000	0299.8	103.5	110.1	002.1525	0059.6	125.0	25.95
210.0	100.0000	0298.9	103.5	110.0	002.1525	0059.5	123.3	26.27
211.0	100.0000	0297.9	103.4	109.8	002.1525	0059.4	121.5	26.59
212.0	100.0000	0297.0	103.3	109.6	002.1525	0059.3	119.7	26.90
213.0	100.0000	0296.1	103.2	109.4	002.1525	0059.2	118.0	27.21
214.0	100.0000	0295.0	103.1	109.1	002.1525	0059.1	116.2	27.52
215.0	100.0000	0294.1	103.1	108.8	002.1525	0059.0	114.5	27.83
216.0	100.0000	0293.3	103.0	108.6	002.1525	0058.9	112.8	28.13
217.0	100.0000	0292.8	102.9	108.3	002.1525	0058.7	111.1	28.44
218.0	100.0000	0292.3	102.9	107.9	002.1525	0058.5	109.4	28.74
219.0	100.0000	0291.8	102.9	107.6	002.1525	0058.3	107.7	29.03
220.0	100.0000	0291.0	102.8	107.2	002.1525	0058.1	106.1	29.33
221.0	100.0000	0289.9	102.7	106.8	002.1525	0057.8	104.4	29.62
222.0	100.0000	0288.7	102.6	106.3	002.1525	0057.4	102.8	29.91
223.0	100.0000	0287.6	102.5	105.8	002.1525	0057.1	101.3	30.20
224.0	100.0000	0286.5	102.4	105.3	002.1525	0056.8	099.7	30.50
225.0	100.0000	0285.4	102.3	104.8	002.1525	0056.3	098.2	30.79
226.0	100.0000	0284.4	102.2	104.2	002.1525	0055.8	096.7	31.09
227.0	100.0000	0283.5	102.1	103.6	002.1525	0055.4	095.2	31.39
228.0	100.0000	0282.8	102.1	102.9	002.1525	0055.0	093.7	31.70
229.0	100.0000	0282.1	102.0	102.3	002.1525	0054.8	092.3	32.02
230.0	100.0000	0281.3	101.9	101.6	002.1525	0054.5	090.9	32.33
231.0	100.0000	0280.6	101.9	100.8	002.1525	0054.3	089.6	32.64
232.0	100.0000	0280.0	101.8	100.1	002.1525	0054.3	088.2	32.96
233.0	100.0000	0279.7	101.8	099.3	002.1525	0054.2	086.9	33.27
234.0	100.0000	0279.7	101.8	098.4	002.1525	0054.4	085.7	33.59
235.0	100.0000	0279.8	101.8	097.6	002.1525	0054.9	084.4	33.93
236.0	100.0000	0279.7	101.8	096.7	002.1525	0055.6	083.2	34.26
237.0	100.0000	0279.5	101.8	095.7	002.1525	0056.3	082.1	34.58
238.0	100.0000	0279.1	101.7	094.7	002.1525	0057.0	081.0	34.88
239.0	100.0000	0278.6	101.7	093.7	002.1525	0056.7	080.0	35.11
240.0	100.0000	0278.2	101.6	092.6	002.1525	0056.2	079.0	35.32
241.0	100.0000	0277.7	101.6	091.5	002.1525	0055.6	078.1	35.51
242.0	100.0000	0277.2	101.6	090.3	002.1525	0054.7	077.2	35.66
243.0	100.0000	0276.8	101.5	089.2	002.1525	0054.0	076.4	35.81
244.0	100.0000	0276.6	101.5	087.9	002.1525	0053.3	075.7	35.94
245.0	100.0000	0276.6	101.5	086.7	002.1525	0052.6	074.9	36.07
246.0	100.0000	0276.5	101.5	085.4	002.1525	0052.5	074.3	36.22
247.0	100.0000	0276.4	101.5	084.1	002.1525	0053.0	073.7	36.39
248.0	100.0000	0276.2	101.5	082.8	002.1525	0053.6	073.2	36.55
249.0	100.0000	0275.8	101.4	081.4	002.1525	0054.3	072.8	36.70
250.0	100.0000	0275.4	101.4	080.0	002.1525	0055.3	072.5	36.85

251.0	100.0000	0274.9	101.3	078.7	002.1525	0056.5	072.2	37.00
252.0	100.0000	0274.3	101.3	077.2	002.1525	0057.6	072.1	37.12
253.0	100.0000	0273.5	101.2	075.8	002.1525	0059.2	072.0	37.25
254.0	100.0000	0272.9	101.1	074.4	002.1525	0061.1	072.0	37.37
255.0	100.0000	0272.3	101.1	073.0	002.1525	0062.7	072.0	37.47
256.0	100.0000	0271.7	101.0	071.6	002.1525	0064.0	072.2	37.52
257.0	100.0000	0271.0	101.0	070.2	002.1525	0065.3	072.4	37.54
258.0	100.0000	0270.4	100.9	068.8	002.1525	0066.6	072.6	37.55
259.0	100.0000	0269.9	100.9	067.5	002.1525	0067.8	073.0	37.54
260.0	100.0000	0269.4	100.8	066.1	002.1525	0069.1	073.4	37.51
261.0	100.0000	0268.7	100.8	064.8	002.1525	0070.2	073.9	37.45
262.0	100.0000	0268.0	100.7	063.5	002.1525	0071.1	074.4	37.35
263.0	100.0000	0267.3	100.6	062.2	002.1525	0072.0	075.1	37.24
264.0	100.0000	0266.8	100.6	061.0	002.1525	0073.0	075.7	37.13
265.0	100.0000	0266.3	100.5	059.8	002.1525	0073.7	076.5	36.97
266.0	100.0000	0266.2	100.5	058.6	002.1525	0073.7	077.2	36.77
267.0	100.0000	0266.1	100.5	057.5	002.1525	0073.3	078.0	36.53
268.0	100.0000	0265.9	100.5	056.4	002.1525	0073.0	078.9	36.28
269.0	100.0000	0265.7	100.5	055.3	002.1525	0072.8	079.9	36.03
270.0	100.0000	0265.5	100.5	054.2	002.1525	0072.5	080.8	35.76
271.0	100.0000	0265.4	100.4	053.3	002.1525	0072.2	081.9	35.47
272.0	100.0000	0265.1	100.4	052.3	002.1525	0071.9	083.0	35.17
273.0	100.0000	0264.8	100.4	051.4	002.1525	0071.6	084.1	34.86
274.0	100.0000	0264.4	100.4	050.5	002.1525	0071.4	085.3	34.54
275.0	100.0000	0264.0	100.3	049.7	002.1525	0071.2	086.5	34.21
276.0	100.0000	0263.6	100.3	048.9	002.1525	0070.9	087.8	33.87
277.0	100.0000	0263.2	100.2	048.1	002.1525	0070.6	089.1	33.52
278.0	100.0000	0262.9	100.2	047.4	002.1525	0070.5	090.4	33.18
279.0	100.0000	0262.6	100.2	046.7	002.1525	0070.4	091.8	32.84
280.0	100.0000	0262.4	100.2	046.1	002.1525	0070.5	093.2	32.51
281.0	100.0000	0262.4	100.2	045.4	002.1525	0070.7	094.6	32.18
282.0	100.0000	0262.4	100.2	044.8	002.1525	0070.9	096.0	31.86
283.0	100.0000	0262.3	100.2	044.3	002.1525	0071.1	097.5	31.55
284.0	100.0000	0262.4	100.2	043.7	002.1525	0071.4	099.0	31.23
285.0	100.0000	0262.4	100.2	043.2	002.1525	0071.6	100.5	30.92
286.0	100.0000	0262.3	100.1	042.8	002.1525	0071.8	102.0	30.62
287.0	100.0000	0262.2	100.1	042.3	002.1525	0072.1	103.6	30.32
288.0	100.0000	0262.2	100.1	041.9	002.1525	0072.3	105.2	30.02
289.0	100.0000	0262.1	100.1	041.5	002.1525	0072.6	106.8	29.72
290.0	100.0000	0262.0	100.1	041.2	002.1525	0072.8	108.4	29.42
291.0	100.0000	0262.1	100.1	040.8	002.1525	0073.0	110.0	29.13
292.0	100.0000	0262.1	100.1	040.5	002.1525	0073.2	111.6	28.83
293.0	100.0000	0262.1	100.1	040.2	002.1525	0073.3	113.3	28.54
294.0	100.0000	0262.0	100.1	040.0	002.1525	0073.5	114.9	28.24
295.0	100.0000	0261.8	100.1	039.7	002.1525	0073.6	116.6	27.95
296.0	100.0000	0261.8	100.1	039.5	002.1525	0073.7	118.3	27.66
297.0	100.0000	0262.0	100.1	039.3	002.1525	0073.7	120.0	27.36
298.0	100.0000	0262.5	100.2	039.1	002.1525	0073.8	121.7	27.07
299.0	100.0000	0263.2	100.2	038.9	002.1525	0073.9	123.4	26.77
300.0	100.0000	0263.8	100.3	038.7	002.1525	0073.9	125.1	26.47
301.0	100.0000	0264.2	100.3	038.6	002.1525	0074.0	126.8	26.17
302.0	100.0000	0264.1	100.3	038.5	002.1525	0074.0	128.5	25.85
303.0	100.0000	0263.4	100.3	038.4	002.1525	0074.0	130.2	25.53
304.0	100.0000	0262.3	100.2	038.4	002.1525	0074.0	132.0	25.21
305.0	100.0000	0261.1	100.0	038.4	002.1525	0074.0	133.7	24.88
306.0	100.0000	0260.1	099.9	038.4	002.1525	0074.0	135.5	24.54
307.0	100.0000	0259.4	099.9	038.4	002.1525	0074.0	137.2	24.21
308.0	100.0000	0258.9	099.8	038.3	002.1525	0074.0	138.9	23.88
309.0	100.0000	0258.8	099.8	038.3	002.1525	0074.0	140.7	23.56
310.0	100.0000	0259.1	099.8	038.3	002.1525	0074.0	142.4	23.23
311.0	100.0000	0259.7	099.9	038.3	002.1525	0074.0	144.1	22.91
312.0	100.0000	0260.5	100.0	038.3	002.1525	0074.0	145.9	22.59
313.0	100.0000	0261.3	100.1	038.3	002.1525	0074.0	147.6	22.28
314.0	100.0000	0261.8	100.1	038.3	002.1525	0074.0	149.3	21.98
315.0	100.0000	0262.2	100.1	038.4	002.1525	0074.0	151.1	21.68

WPSD-TV, Channel-Six, TV Protection
Illinois Bible Institute

FMCommander Single Allocation Study
07-18-2007

NEW CH 201 A WPSDTV CH 06+ 2C BMLCT20040227ABE
2.153 kW 271.5 M COR 100.0 kW, 596 M COR
Intef. = 54.0 dBu Prot. = 47 dBu Scale = 1:4,000,000



Channel-Six TV Protection Study

WPSDTV LI 06+ 2C Dom Int 100.000 kW 482 M HAAT VHY
Paducah KY 596.0 M COR AMSL
Lat= 37 11 31.0, Lng= 88 58 53.0
Wpsd-tv, Llc BMLCT20040227ABE
Fac ID# 51991, Cutoff Date=53897628
Dist.=264.11 km, Azi=196.4°, Rev Azi=15.8°

Direct line HAAT Grade B, 47 dBu= 119.77 km & Grade A= 66.54 km

Distance from reference to Grade B = 144.34 km
Cutoff Dist from Full Service or Class CA= 265
Maximum Co-located power= 1.1 kW
WPSDTV Signal Contour at Reference location = 17.3 dBu
CH. 201, U/D ratio = 7.0 dB, Maximum FM signal = 54.0 dBu , 6 dB credit added

TV/FM D to U values

47.0	54.0	55.0	59.7	63.0	65.4	71.0	72.1	79.0	79.4	87.0	86.7
48.0	54.7	56.0	60.4	64.0	66.1	72.0	73.0	80.0	80.3	88.0	87.7
49.0	55.3	57.0	61.1	65.0	66.9	73.0	73.9	81.0	81.2	89.0	88.6
50.0	56.0	58.0	61.7	66.0	67.7	74.0	74.7	82.0	82.1	90.0	89.5
51.0	56.7	59.0	62.4	67.0	68.6	75.0	75.7	83.0	83.0	91.0	89.5
52.0	57.5	60.0	63.1	68.0	69.4	76.0	76.6	84.0	83.9	92.0	89.5
53.0	58.2	61.0	63.9	69.0	70.3	77.0	77.5	85.0	84.9	93.0	89.5
54.0	58.9	62.0	64.6	70.0	71.2	78.0	78.4	86.0	85.8	94.0	89.5

07-18-2007 NGDC 30 SEC Terrain Data, 6 dB added to NCE

WPSDTV BMLCT20040227ABE	NEW
Channel = 06+2C	Channel = 201A
Max ERP = 100 kW	Max ERP = 2.1525 kW
RCAMSL = 596 M	RCAMSL = 271.5 M
N. Lat. 37 11 31.0	N. Lat. 39 28 38.0
W. Lng. 88 58 53.0	W. Lng. 88 08 25.0
Protected	Interfering
47 dBu	54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
316.0	100.0000	0494.0	119.9	223.4	002.1525	0068.7	228.8	07.90
317.0	100.0000	0493.7	119.9	223.5	002.1525	0068.7	227.0	08.23
318.0	100.0000	0493.5	119.8	223.4	002.1525	0068.7	225.0	08.60
319.0	100.0000	0493.3	119.8	223.3	002.1525	0068.7	222.9	08.97
320.0	100.0000	0493.1	119.8	223.3	002.1525	0068.8	220.8	09.34
321.0	100.0000	0492.9	119.8	223.2	002.1525	0068.8	218.7	09.71
322.0	100.0000	0492.7	119.8	223.1	002.1525	0068.8	216.7	10.08
323.0	100.0000	0492.4	119.7	223.0	002.1525	0068.9	214.6	10.44
324.0	100.0000	0492.1	119.7	222.9	002.1525	0068.9	212.6	10.80
325.0	100.0000	0491.7	119.7	222.7	002.1525	0068.9	210.5	11.15
326.0	100.0000	0491.2	119.6	222.6	002.1525	0069.0	208.5	11.49
327.0	100.0000	0490.6	119.6	222.4	002.1525	0069.0	206.5	11.81
328.0	100.0000	0490.2	119.5	222.2	002.1525	0069.0	204.5	12.10
329.0	100.0000	0489.7	119.5	222.0	002.1525	0069.0	202.5	12.37
330.0	100.0000	0489.4	119.5	221.8	002.1525	0069.1	200.5	12.64
331.0	100.0000	0489.1	119.4	221.6	002.1525	0069.1	198.5	12.92
332.0	100.0000	0489.0	119.4	221.4	002.1525	0069.1	196.6	13.20
333.0	100.0000	0488.9	119.4	221.2	002.1525	0069.1	194.7	13.52
334.0	100.0000	0488.9	119.4	220.9	002.1525	0069.2	192.7	13.86
335.0	100.0000	0488.8	119.4	220.7	002.1525	0069.2	190.8	14.22
336.0	100.0000	0488.7	119.4	220.4	002.1525	0069.3	188.9	14.57
337.0	100.0000	0488.5	119.4	220.1	002.1525	0069.4	187.1	14.92
338.0	100.0000	0488.4	119.4	219.8	002.1525	0069.5	185.2	15.26
339.0	100.0000	0488.2	119.4	219.5	002.1525	0069.6	183.4	15.60
340.0	100.0000	0488.1	119.3	219.1	002.1525	0069.7	181.6	15.94
341.0	100.0000	0487.9	119.3	218.8	002.1525	0069.9	179.9	16.27
342.0	100.0000	0487.9	119.3	218.4	002.1525	0070.1	178.1	16.60
343.0	100.0000	0488.0	119.3	218.0	002.1525	0070.3	176.4	16.93
344.0	100.0000	0487.9	119.3	217.6	002.1525	0070.6	174.7	17.25
345.0	100.0000	0487.7	119.3	217.2	002.1525	0070.8	173.1	17.57
346.0	100.0000	0487.2	119.3	216.7	002.1525	0071.1	171.5	17.87
347.0	100.0000	0486.3	119.2	216.2	002.1525	0071.5	170.0	18.17
348.0	100.0000	0485.6	119.1	215.7	002.1525	0071.8	168.5	18.46
349.0	100.0000	0485.9	119.2	215.2	002.1525	0072.3	166.9	18.77
350.0	100.0000	0486.8	119.2	214.7	002.1525	0072.8	165.4	19.07
351.0	100.0000	0487.6	119.3	214.2	002.1525	0073.3	163.9	19.37
352.0	100.0000	0487.9	119.3	213.7	002.1525	0074.0	162.5	19.65
353.0	100.0000	0488.2	119.4	213.1	002.1525	0074.7	161.1	19.93
354.0	100.0000	0488.3	119.4	212.5	002.1525	0075.3	159.8	20.20
355.0	100.0000	0488.1	119.4	211.9	002.1525	0076.1	158.5	20.46
356.0	100.0000	0487.9	119.3	211.3	002.1525	0076.9	157.3	20.70
357.0	100.0000	0487.7	119.3	210.7	002.1525	0077.8	156.1	20.94
358.0	100.0000	0487.5	119.3	210.0	002.1525	0078.9	155.0	21.17
359.0	100.0000	0487.3	119.3	209.4	002.1525	0080.2	154.0	21.39
000.0	100.0000	0487.3	119.3	208.7	002.1525	0081.4	153.0	21.61
001.0	100.0000	0487.4	119.3	208.0	002.1525	0082.6	152.0	21.82
002.0	100.0000	0487.4	119.3	207.3	002.1525	0083.8	151.1	22.01
003.0	100.0000	0487.3	119.3	206.5	002.1525	0084.7	150.2	22.19
004.0	100.0000	0487.2	119.3	205.8	002.1525	0085.4	149.4	22.35
005.0	100.0000	0487.2	119.3	205.0	002.1525	0086.0	148.7	22.49
006.0	100.0000	0487.4	119.3	204.3	002.1525	0086.4	148.0	22.62
007.0	100.0000	0487.7	119.3	203.5	002.1525	0086.8	147.4	22.75
008.0	100.0000	0487.8	119.3	202.7	002.1525	0087.1	146.8	22.86
009.0	100.0000	0487.8	119.3	201.9	002.1525	0087.5	146.3	22.96
010.0	100.0000	0487.9	119.3	201.1	002.1525	0088.0	145.9	23.05
011.0	100.0000	0488.6	119.4	200.3	002.1525	0088.7	145.4	23.15

012.0	100.0000	0489.3	119.5	199.5	002.1525	0089.7	145.1	23.25
013.0	100.0000	0490.1	119.5	198.7	002.1525	0091.2	144.8	23.35
014.0	100.0000	0491.1	119.6	197.8	002.1525	0092.9	144.5	23.45
015.0	100.0000	0492.0	119.7	197.0	002.1525	0094.7	144.3	23.54
016.0	100.0000	0492.8	119.8	196.2	002.1525	0096.0	144.2	23.60
017.0	100.0000	0493.3	119.8	195.4	002.1525	0096.2	144.2	23.61
018.0	100.0000	0493.6	119.8	194.5	002.1525	0095.2	144.3	23.56
019.0	100.0000	0493.5	119.8	193.7	002.1525	0093.3	144.4	23.47
020.0	100.0000	0493.4	119.8	192.9	002.1525	0091.3	144.7	23.37
021.0	100.0000	0493.1	119.8	192.0	002.1525	0089.4	145.0	23.25
022.0	100.0000	0492.4	119.7	191.2	002.1525	0087.4	145.4	23.11
023.0	100.0000	0491.5	119.7	190.4	002.1525	0085.6	145.9	22.96
024.0	100.0000	0490.6	119.6	189.6	002.1525	0084.1	146.5	22.81
025.0	100.0000	0489.9	119.5	188.9	002.1525	0082.8	147.1	22.66
026.0	100.0000	0489.1	119.4	188.1	002.1525	0082.1	147.8	22.52
027.0	100.0000	0488.2	119.4	187.3	002.1525	0081.9	148.5	22.38
028.0	100.0000	0487.3	119.3	186.6	002.1525	0081.9	149.3	22.24
029.0	100.0000	0486.7	119.2	185.9	002.1525	0081.8	150.2	22.09
030.0	100.0000	0486.4	119.2	185.1	002.1525	0081.1	151.1	21.92
031.0	100.0000	0486.1	119.2	184.4	002.1525	0080.4	152.0	21.74
032.0	100.0000	0485.7	119.1	183.7	002.1525	0079.6	153.0	21.54
033.0	100.0000	0485.0	119.1	183.1	002.1525	0078.6	154.0	21.33
034.0	100.0000	0484.3	119.0	182.4	002.1525	0077.6	155.2	21.10
035.0	100.0000	0483.9	119.0	181.8	002.1525	0076.6	156.3	20.87
036.0	100.0000	0483.9	119.0	181.2	002.1525	0075.8	157.5	20.63
037.0	100.0000	0484.0	119.0	180.5	002.1525	0075.2	158.7	20.39
038.0	100.0000	0483.9	119.0	179.9	002.1525	0074.8	159.9	20.15
039.0	100.0000	0483.6	118.9	179.4	002.1525	0074.4	161.3	19.89
040.0	100.0000	0483.1	118.9	178.8	002.1525	0074.0	162.6	19.62
041.0	100.0000	0482.7	118.9	178.3	002.1525	0073.6	164.1	19.35
042.0	100.0000	0482.7	118.9	177.8	002.1525	0073.2	165.5	19.07
043.0	100.0000	0482.9	118.9	177.3	002.1525	0072.9	166.9	18.79
044.0	100.0000	0483.2	118.9	176.8	002.1525	0072.7	168.4	18.51
045.0	100.0000	0483.4	118.9	176.3	002.1525	0072.6	169.9	18.22
046.0	100.0000	0483.7	118.9	175.8	002.1525	0072.5	171.5	17.93
047.0	100.0000	0483.9	119.0	175.4	002.1525	0072.4	173.1	17.63
048.0	100.0000	0484.0	119.0	175.0	002.1525	0072.4	174.7	17.32
049.0	100.0000	0484.1	119.0	174.6	002.1525	0072.5	176.4	17.02
050.0	100.0000	0484.2	119.0	174.2	002.1525	0072.7	178.1	16.72
051.0	100.0000	0484.5	119.0	173.8	002.1525	0072.9	179.8	16.41
052.0	100.0000	0485.1	119.1	173.4	002.1525	0073.1	181.5	16.10
053.0	100.0000	0486.0	119.2	173.1	002.1525	0073.4	183.3	15.79
054.0	100.0000	0486.9	119.2	172.7	002.1525	0073.6	185.1	15.47
055.0	100.0000	0487.6	119.3	172.4	002.1525	0073.8	186.9	15.15
056.0	100.0000	0488.1	119.3	172.1	002.1525	0073.9	188.7	14.81
057.0	100.0000	0488.2	119.4	171.8	002.1525	0074.0	190.6	14.47
058.0	100.0000	0488.4	119.4	171.6	002.1525	0074.1	192.5	14.12
059.0	100.0000	0488.6	119.4	171.3	002.1525	0074.1	194.4	13.78
060.0	100.0000	0488.9	119.4	171.1	002.1525	0074.1	196.3	13.47
061.0	100.0000	0489.3	119.5	170.9	002.1525	0074.1	198.2	13.18
062.0	100.0000	0489.7	119.5	170.7	002.1525	0074.1	200.2	12.90
063.0	100.0000	0490.1	119.5	170.5	002.1525	0074.1	202.2	12.63
064.0	100.0000	0490.5	119.6	170.3	002.1525	0074.1	204.1	12.36
065.0	100.0000	0491.0	119.6	170.1	002.1525	0074.1	206.1	12.07
066.0	100.0000	0491.5	119.7	169.9	002.1525	0074.0	208.1	11.76
067.0	100.0000	0491.8	119.7	169.8	002.1525	0074.0	210.2	11.42
068.0	100.0000	0492.0	119.7	169.7	002.1525	0074.0	212.2	11.07
069.0	100.0000	0492.0	119.7	169.6	002.1525	0074.0	214.2	10.71
070.0	100.0000	0492.0	119.7	169.5	002.1525	0073.9	216.3	10.35
071.0	100.0000	0492.1	119.7	169.4	002.1525	0073.9	218.4	09.98
072.0	100.0000	0492.2	119.7	169.3	002.1525	0073.9	220.4	09.61
073.0	100.0000	0492.5	119.8	169.2	002.1525	0073.9	222.5	09.24
074.0	100.0000	0492.8	119.8	169.2	002.1525	0073.9	224.6	08.87
075.0	100.0000	0493.4	119.8	169.1	002.1525	0073.9	226.7	08.50
076.0	100.0000	0493.8	119.9	169.1	002.1525	0073.9	228.7	08.12