PRESENT & PROPOSED 54 DBU CONTOURS
APPLICATION TO MODIFY BPED-20111103AGS

Callsign: WTMK
FM Channel: 203A
City, State: Wanatah, IN
Antenna location: 41-18-15 N, 87-01-30 W
Terrain elevations: USGS 03 Second terrain database
Contour distances: FCC F(50,10) field strength curves for Interfering Contours

Pattern & Terrain			BPED-20111103AGS			Modification			Change
Az(°)	Field	AV EL(m)	ERP(kW)	HAAT(m)	54 dBu(km)	ERP(kW)	HAAT(m)	54 dBu(km)	(km)
0	0.490	219.2	0.960	91.4	25.84	0.816	98.4	25.82	-0.02
10	0.580	219.6	1.346	91.0	28.02	1.144	98.0	28.01	-0.01
20	0.729	214.4	2.126	96.2	32.65	1.807	103.2	32.49	-0.16
30	0.917	214.4	3.364	96.2	36.98	2.859	103.2	36.76	-0.22
40	1.000	213.8	4.000	96.8	38.84	3.400	103.8	38.58	-0.26
50	1.000	212.0	4.000	98.6	39.20	3.400	105.6	38.91	-0.29
60	1.000	210.1	4.000	100.5	39.58	3.400	107.5	39.25	-0.33
70	1.000	208.4	4.000	102.2	39.92	3.400	109.2	39.55	-0.37
80	1.000	206.3	4.000	104.3	40.31	3.400	111.3	39.90	-0.41
90	1.000	205.0	4.000	105.6	40.54	3.400	112.6	40.11	-0.43
100	1.000	203.8	4.000	106.8	40.76	3.400	113.8	40.31	-0.45
110	1.000	203.1	4.000	107.5	40.89	3.400	114.5	40.42	-0.47
120	1.000	203.3	4.000	107.3	40.85	3.400	114.3	40.38	-0.47
130	1.000	203.8	4.000	106.8	40.77	3.400	113.8	40.31	-0.46
140	1.000	204.5	4.000	106.1	40.63	3.400	113.1	40.19	-0.44
150	1.000	204.2	4.000	106.4	40.70	3.400	113.4	40.24	-0.46
160	1.000	204.2	4.000	106.4	40.69	3.400	113.4	40.24	-0.45
170	1.000	203.5	4.000	107.1	40.82	3.400	114.1	40.35	-0.47
180	1.000	203.0	4.000	107.6	40.90	3.400	114.6	40.43	-0.47
190	1.000	202.6	4.000	108.0	40.97	3.400	115.0	40.49	-0.48
200	0.939	202.1	3.527	108.5	39.78	2.998	115.5	39.32	-0.46
210	0.746	201.3	2.226	109.3	35.47	1.892	116.3	35.07	-0.40
220	0.594	200.3	1.411	110.3	31.51	1.200	117.3	31.17	-0.34
230	0.472	199.2	0.891	111.4	28.16	0.757	118.4	27.86	-0.30
240	0.375	198.1	0.563	112.5	25.26	0.478	119.5	24.99	-0.27
250	0.299	197.9	0.358	112.7	22.56	0.304	119.7	22.32	-0.24
260	0.238	199.3	0.227	111.3	19.86	0.193	118.3	19.65	-0.21
270	0.240	203.9	0.230	106.7	19.49	0.196	113.7	19.31	-0.18
280	0.240	208.1	0.230	102.5	19.03	0.196	109.5	18.90	-0.13
290	0.240	210.7	0.230	99.9	18.75	0.196	106.9	18.64	-0.11
300	0.236	213.4	0.223	97.2	18.26	0.189	104.2	18.16	-0.10
310	0.243	214.9	0.236	95.7	18.40	0.201	102.7	18.33	-0.07
320	0.290	216.0	0.336	94.6	20.17	0.286	101.6	20.10	-0.07
330	0.340	212.7	0.462	97.9	22.34	0.393	104.9	22.25	-0.09
340	0.370	209.1	0.548	101.5	23.77	0.465	108.5	23.65	-0.12
350	0.465	216.1	0.865	94.5	25.63	0.735	101.5	25.58	-0.05
					Additional Azimuth(s)				
315	0.250	215.1	0.250	95.5	18.68	0.213	102.5	18.62	-0.06