

**Technical Compliance Exhibit**

This application complies with all engineering standards and assignment requirements specified in the applicable FCC rules and regulations. A new site is specified as is indicated below:

	Licensed	Minor Mod
Channel / Class	215B1	215B1
ASRN	1057197	1057081
Geographical Coordinates	39 19 17.0 86 31 08.4	39 18 36.8 86 29 24.0
Site AMSL	229.5 m	264.0 m
Tower AGL	60.6 m	109.4 m
COR AGL	53.0 m	95.6 m
COR AMSL	283.0 m	359.6 m
HAAT	68.0 m	141.8 m
ERP (kW)	0.920 (H) 12.5 (V) DA	3.2 (H&V, DA)

GLOBE terrain data

Tabulation of HAAT, ERP (incl dBk- Field) and distance to 60 dBu contour

CH 215 39 18 36.8 / 86 29 24.0 3.2 kW ERP (H&V, DA) 359.6 m COR AMSL 141.8 m HAAT

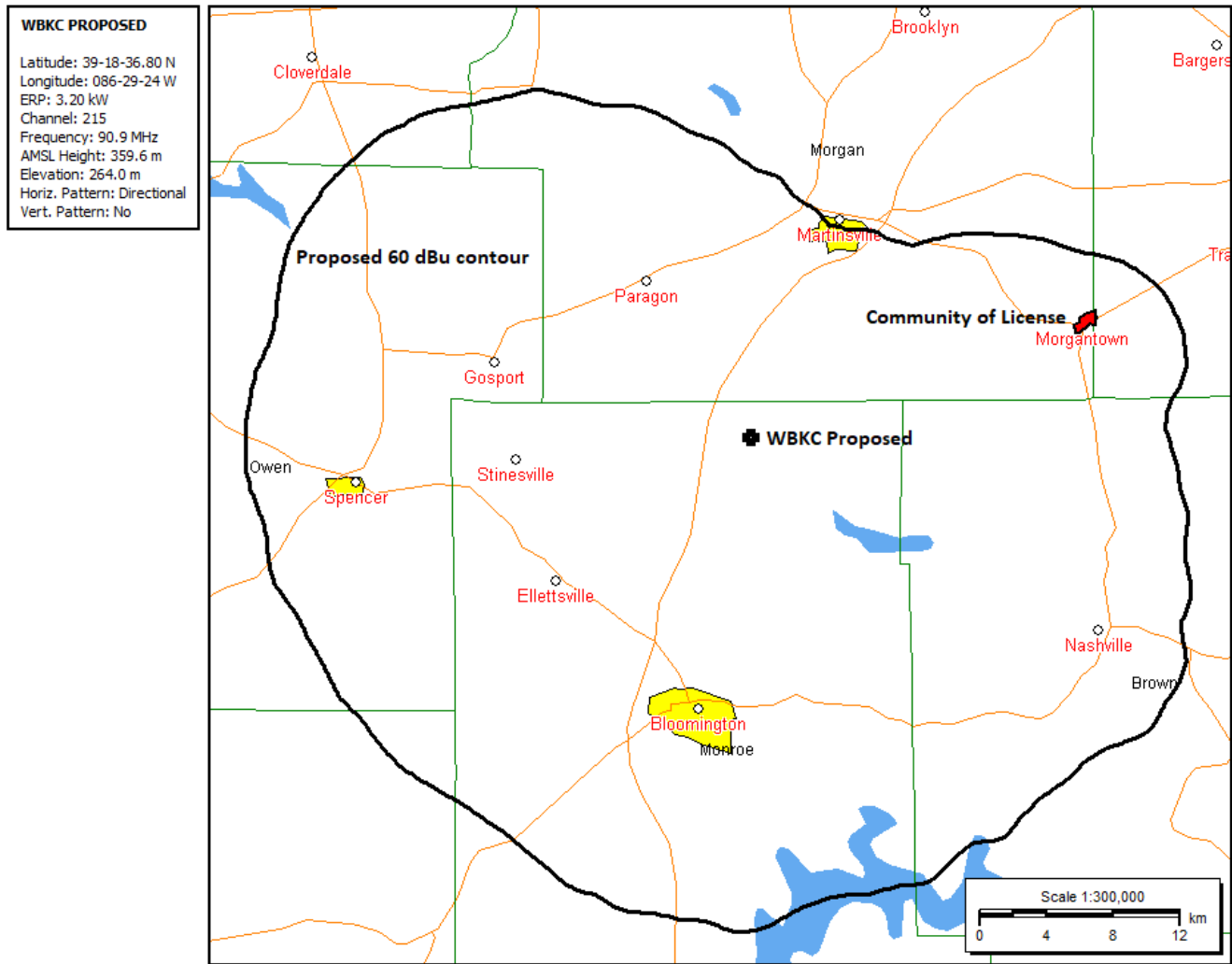
Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	205.7	153.9	0.2545	-5.94	0.282	16.23
010	198.7	160.9	0.1606	-7.94	0.224	14.71
020	190.5	169.1	0.1014	-9.94	0.178	13.46
030	205.8	153.8	0.1606	-7.94	0.224	14.33
040	224.8	134.8	0.2545	-5.94	0.282	15.00
045	225.0	134.6	0.4170	-3.80	0.361	17.22
050	226.5	133.1	0.6195	-2.08	0.440	19.01
060	229.3	130.3	1.2741	1.05	0.631	22.42
070	222.0	137.6	2.2045	3.43	0.830	25.96
080	243.0	116.6	3.2000	5.05	1.000	26.35
090	257.3	102.3	3.2000	5.05	1.000	24.85
100	242.6	117.0	3.2000	5.05	1.000	26.39
110	226.4	133.2	3.2000	5.05	1.000	27.81
120	209.5	150.1	3.2000	5.05	1.000	29.32
130	220.2	139.4	3.2000	5.05	1.000	28.36
135	227.9	131.7	3.2000	5.05	1.000	27.68
140	229.6	130.0	3.2000	5.05	1.000	27.53
150	228.0	131.6	3.2000	5.05	1.000	27.67
160	221.7	137.9	3.2000	5.05	1.000	28.22
170	227.2	132.4	3.2000	5.05	1.000	27.74
180	209.3	150.3	3.2000	5.05	1.000	29.34
190	214.1	145.5	3.2000	5.05	1.000	28.90
200	215.3	144.3	3.2000	5.05	1.000	28.80
210	225.9	133.7	3.2000	5.05	1.000	27.85
220	225.5	134.1	3.2000	5.05	1.000	27.89
225	219.9	139.7	3.2000	5.05	1.000	28.39
230	217.1	142.5	3.2000	5.05	1.000	28.63
240	214.0	145.6	3.2000	5.05	1.000	28.91
250	210.6	149.0	3.2000	5.05	1.000	29.21
260	207.4	152.2	3.2000	5.05	1.000	29.50
270	200.4	159.2	3.2000	5.05	1.000	30.14
280	208.8	150.8	3.2000	5.05	1.000	29.38
290	205.7	153.9	3.2000	5.05	1.000	29.66
300	207.4	152.2	3.2000	5.05	1.000	29.51
310	201.4	158.2	2.5177	4.01	0.887	28.44
315	196.9	162.7	2.0276	3.07	0.796	27.45
320	196.8	162.8	1.5950	2.03	0.706	26.03
330	190.5	169.1	1.0071	0.03	0.561	23.90
340	197.2	162.4	0.6365	-1.96	0.446	21.13
350	204.6	155.0	0.4033	-3.94	0.355	18.45

GLOBE terrain data  
(yellow highlighted values establish average HAAT)

Directional antenna pattern values exceed 2 dB per 10 degrees between 40 degrees and 70 degrees. WBKC at full ERP in these directions would not cause interference to any protected facility.

### Community of License Coverage Compliance with Section 73.515

This minor modification proposes a new site. The proposed 60 dBu contour will provide full coverage over the community of license of Morgantown, IN.



GLOBE terrain data

**Educational Media Foundation**  
**Minor Modification of Licensed Facility BLED-20170228AAL**

**WBKC, Morgantown, IN**  
**February 2022**

**Allocation Study**

CH 215    39 18 36.8 / 86 29 24.0    3.2 kW ERP (H&V, DA)    359.6 m COR AMSL    141.8 m HAAT

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
------------	------	---------------	-------------	----------------	--------------	----------------------	---------------------	----------------------	-------------------------	-------

**Reference station:**

215B1	WBKC	LIC	296.7	2.78	39 19 17.20	12.500				
Morgantown		IN	116.7	BLED20170228AAL	86 31 08.00	68	283	Educational Media Foundation		

**Co-channel, 1<sup>st</sup>, 2<sup>nd</sup>, & 3<sup>rd</sup> adjacent channel relationships:**

212A	WKJD	LIC	106.6	47.94	39 11 10.20	.400	1.9	16.5	18.2	26.8
Columbus		IN	286.9	BLED20101006ABL	85 57 29.00	82	286	Good Shepherd Radio, Inc.		
213B1	WQRA	LIC	350.5	31.44	39 35 22.20	8.100	2.4	22.2	9.0	6.6
Greencastle		IN	170.5	BLED20111107ASQ	86 33 02.00	136	380	Educational Media Foundation		
214B1	WQSG	LIC	359.2	117.74	40 22 14.10	17.000	50.6	31.6	46.9	59.7
Lafayette		IN	179.2	BLED20051122ABJ	86 30 32.00	100	347	American Family Association		
214A	WKPW	LIC	58.4	97.84	39 46 01.10	4.400	34.2	22.7	38.3	41.4
Knightstown		IN	239.0	BLED20100830ABN	85 30 59.90	55	347	New Castle Career Center		
214A	WZIS-FM	LIC	284.1	92.25	39 30 26.10	0.860	24.5	16.4	38.3	31.5
Terre Haute		IN	103.4	BLED20140919AAH	87 31 50.10	69	244	Indiana State University B		
215A	WSQM	LIC	28.8	89.54	40 00 54.00	1.300	23.2	7.4	48.1	34.8
Noblesville		IN	209.1	BLED20110914ACE	85 58 58.00	43	292	Inter Mirifica, Inc.		
15A	WBDG	LIC	17.9	55.39	39 47 05.10	0.400	31.1	9.0	10.5	0.8
Indianapolis		IN	198.0	BLED19781214AB	86 17 26.90	24	264	Metropolitan School District		
15B	WGUC	LIC	96.2	173.18	39 07 30.10	18.500	119.6	46.0	26.8	46.5
Cincinnati		OH	277.5	BLED20101221ABF	84 29 56.00	209	419	Cincinnati Public Radio, Inc		
215B	WILL-FM	LIC	294.2	203.72	40 02 18.10	105.000	169.5	69.6	4.3	48.3
Urbana		IL	112.8	BLED757	88 40 10.20	259	469	The Board Of Trustees Of The		
216A	WYGS	LIC	98.0	64.84	39 13 35.20	0.380	23.6	15.6	14.4	9.0
Hope		IN	278.5	BLED20100503ACS	85 44 46.90	100	316	Good Shepherd Radio, Inc.		
216B	WVUB	LIC	229.7	112.50	38 39 06.20	50.000	75.8	50.1	8.1	18.8
Vincennes		IN	49.1	BLED20020930ABC	87 28 37.10	152	293	Vincennes University		
216A	WEDM	LIC	38.1	68.13	39 47 29.10	0.180	12.4	9.6	35.1	36.2
Indianapolis		IN	218.4	BLED19920925KA	85 59 52.90	66	312	Metropolitan School District		
217A	768391	CP	283.7	65.09	39 26 47.70	0.400	1.4	10.7	34.2	51.4
Seelyville		IN	103.3	0000167446	87 13 29.20	69	246	Appalachian Educational Comm		
217A	WDDL	LIC	15.7	41.70	39 40 18.20	0.295	0.5	4.6	25.6	34.9
Plainfield		IN	195.7	BLED20160106AAG	86 21 30.00	43	275	The Power Foundation		
217A	WFHB	LIC	196.7	33.44	39 01 18.10	1.600	2.0	22.4	2.4	8.3
Bloomington		IN	16.6	BLED19981221KB	86 36 04.90	119	338	Bloomington Community Radio		
217B1	WWQI	LIC	67.0	70.46	39 33 18.20	14.500	1.9	18.7	42.5	47.7
Morristown		IN	247.5	BLED20140805ADP	85 44 05.90	56	302	The Power Foundation		
218B	WJLR	LIC	131.9	81.02	38 49 20.20	30.000	2.8	29.2	49.0	49.1
Seymour		IN	312.3	BLED20070226AAX	85 47 37.90	116	293	Educational Media Foundation		
218A	WGRE	LIC	318.8	48.61	39 38 19.10	0.800	1.6	11.9	19.3	34.0
Greencastle		IN	138.6	BLED19970411KA	86 51 49.00	54	290	Depauw University		

**Allocation Study**

CH	CALL	TYPE	AZI.	DIST	LAT.	Pwr (kW)	INT (km)	PRO (km)	*IN*	*OUT*
CITY		STATE	<--	FILE #	LNG.	HAAT (M)	COR (M)	LICENSEE	(Overlap in km)	
<b><u>I.F. relationships:</u></b>										
268B	WKKG	LIC	106.3	48.59	39 11	12.10	50.000	0.0	0.0	16.5R 32.1M
Columbus		IN	286.6	BLH19890619KA	85 56	59.90	150	354	White River Broadcasting Co	

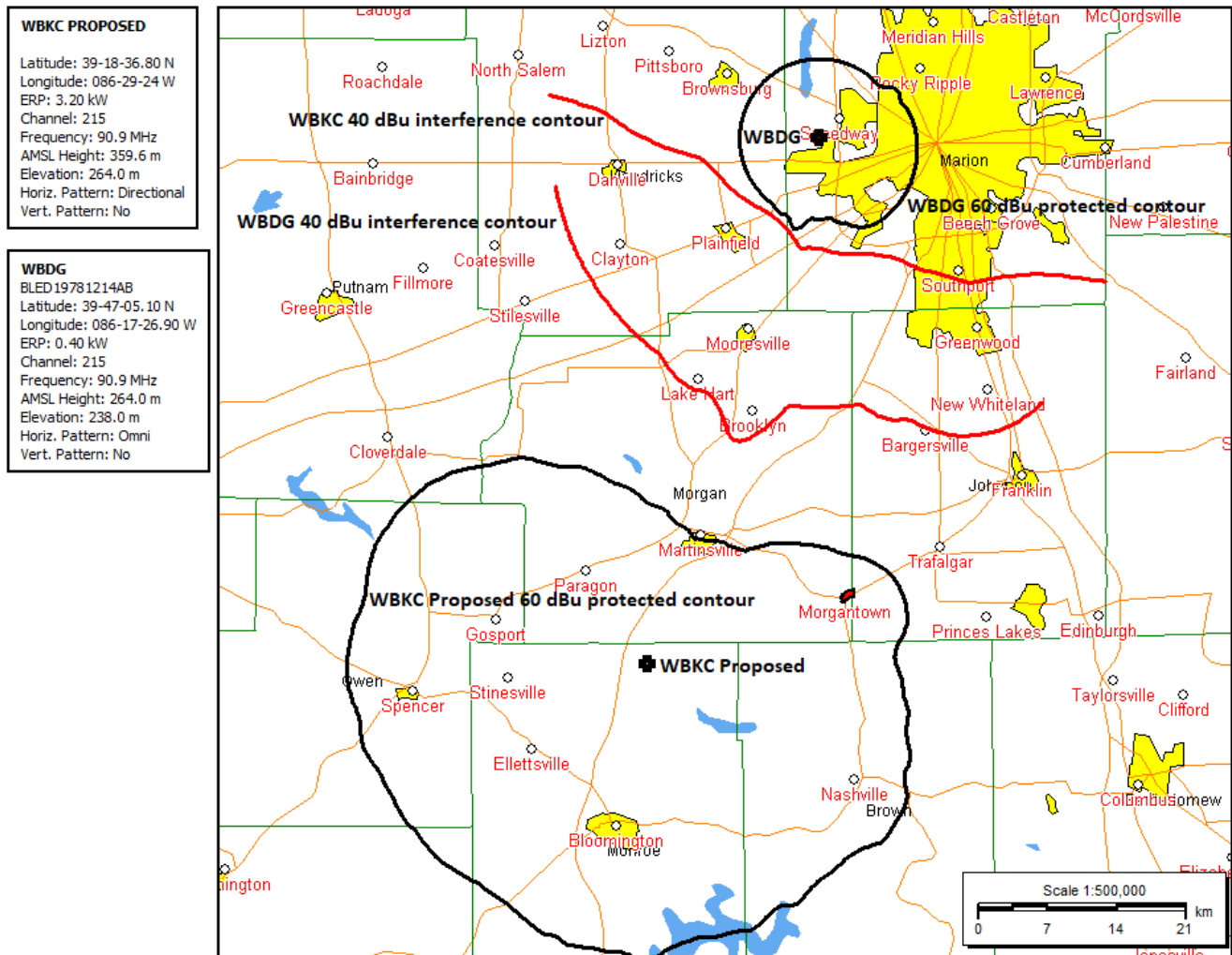
**Channel 6 TV Station Protection**

Per Section 73.525(a) (1) of the Commission's rules the required study distance for FM Channel 215 is 180 km. There are no channel 6 TV broadcast stations within this distance, therefore WBKC as proposed is in full compliance with all channel 6 TV broadcast station protection requirements.

GLOBE terrain data

### Allocation Study

Below is a map demonstrating the lack of prohibited overlap between WBKC (proposed) and WBDG (Licensed).



GLOBE terrain data

**Environmental Impact & RFR Compliance Statement**

WBKC will be located at an established communications site that is in compliance with all environmental impact requirements.

This minor modification specifies a move to a new site. WBKC as proposed will operate with 3.2 kW ERP (H&V) at an antenna COR AGL height of 95.6 meters. For a worst-case estimation at 2 meters above ground level the RFR is no more than 12.4% of the general public/uncontrolled MPE limit. There are no other broadcast facilities located at the site.

The site has restricted access to only authorized personnel. The applicant certifies that in cooperation with other users of the site all authorized personnel will be protected from RFR exposure in excess of FCC guidelines while accessing any controlled exposure area, including the tower, by either reducing power or ceasing operations.