

Ownership Study

This ownership study is provided as an analysis for the aural broadcast markets formed by the acquisition and common ownership of the following stations:

WBTH(AM) 1400 kHz Williamson, WV, FCC Facility I.D. 26392

WDHR(FM) 226C2 Pikeville, KY, FCC Facility I.D. 18224

WEKB(AM) 1460 kHz Elkhorn City, KY, FCC Facility I.D. 32972

WLSI(AM) 900 kHz Pikeville, KY, FCC Facility I.D. 38388

WPKE(AM) 1240 kHz Pikeville, KY, FCC Facility I.D. 18225

WPKE-FM 276A Coal Run, KY, FCC Facility I.D. 32973

WPRT(AM) 960 kHz Prestonsburg, KY, FCC Facility I.D. 18548

WXCC(FM) 243C1 Williamson, WV, FCC Facility I.D. 26393

WZLK(FM) 298A Virgie, KY, FCC Facility I.D. 34002

None of the stations are located within a Nielsen rated market; as a consequence, the permitted common ownership is determined using the contour overlap methodology. The following exhibits include the city grade contours, 3.16 mV/m (70 dBu) (FM) and 5 mV/m (AM), of all stations intersecting any of the mutually overlapping stations, including noncommercial facilities, and exclude any stations with a transmitter site greater than 92 km from any portion of the mutually overlapping area, as well as any

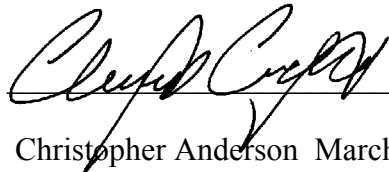
Anderson Associates

Broadcast Consultants
1519 Euclid Avenue
Bowling Green, KY 42103

commonly owned stations which do not mutually overlap the defined market. The ownership markets are plotted and listed in the attached exhibits.

A reference plot is shown in exhibit E-1. Common ownership of the listed stations forms a total of four markets, which are plotted and listed in exhibits E-2 to E-13.

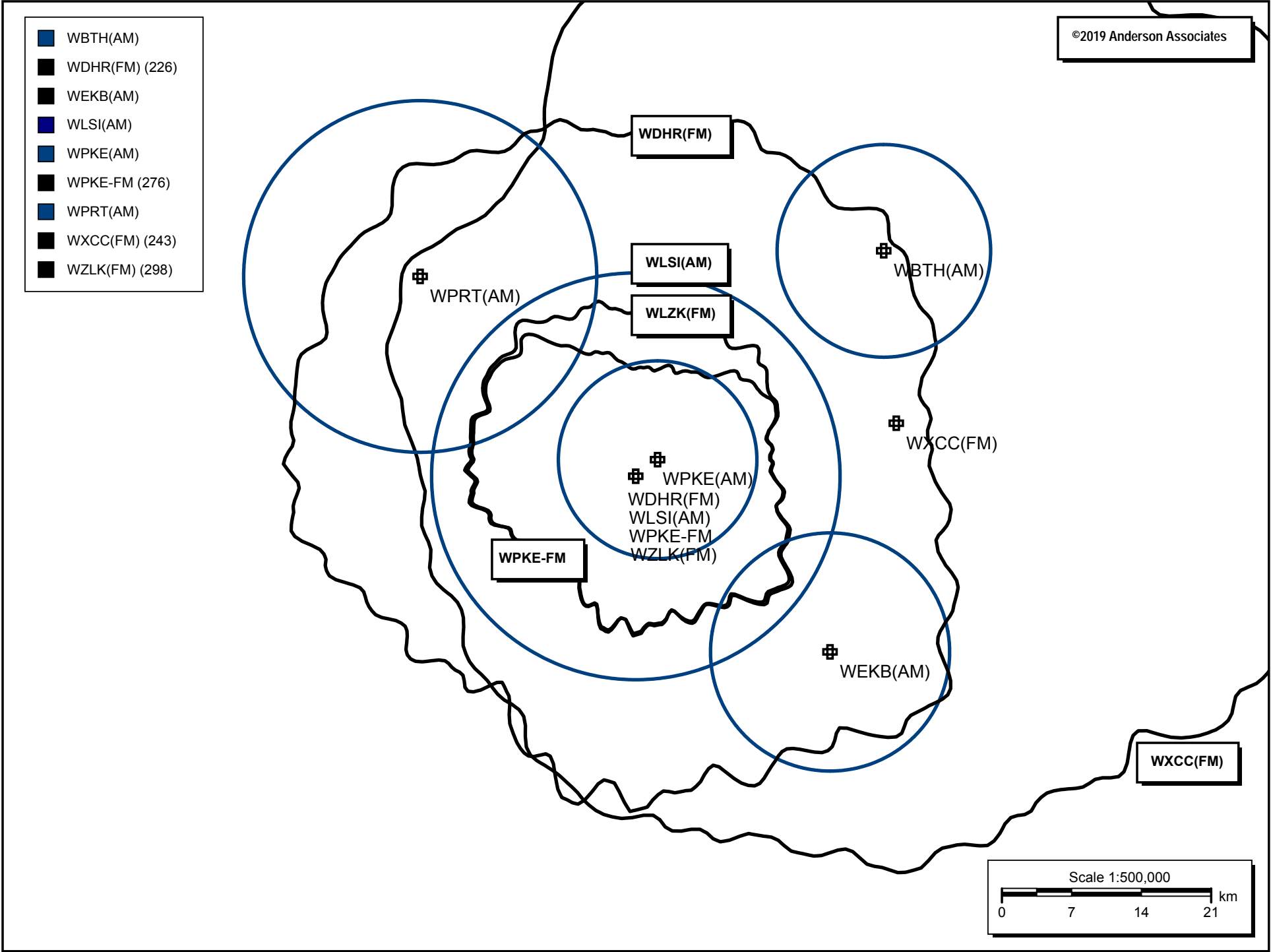
Following the rules provided by CFR §73.3555(a)(1)(i) and (ii), the common ownership of these stations in the defined markets is permissible.



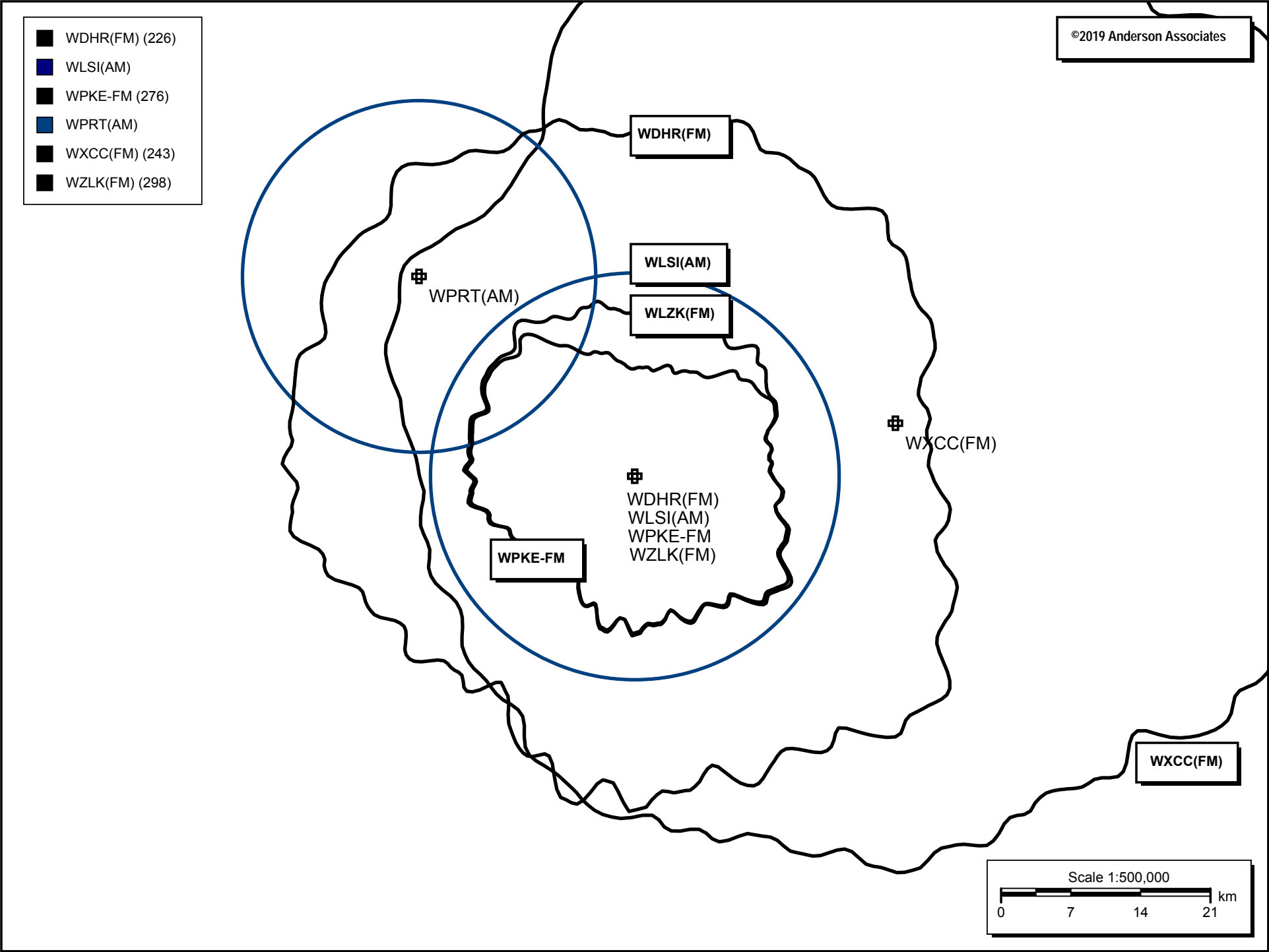
Christopher Anderson March 27, 2019
andersce@bham.rr.com

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E-1 Ownership Reference Plot



E-2 Ownership Market #1 Reference Plot



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Reference
WDHR(FM)
WLSI(AM)
WPKE-FM
WPRT(AM)
WXCC(FM)
WZLK(FM)

Scale 1:750,000

7 km

1

1

20

2

E-X Ownership Market #1 List

4 FMs and 2 AMs in a total overlapping market of 42.

Reference:

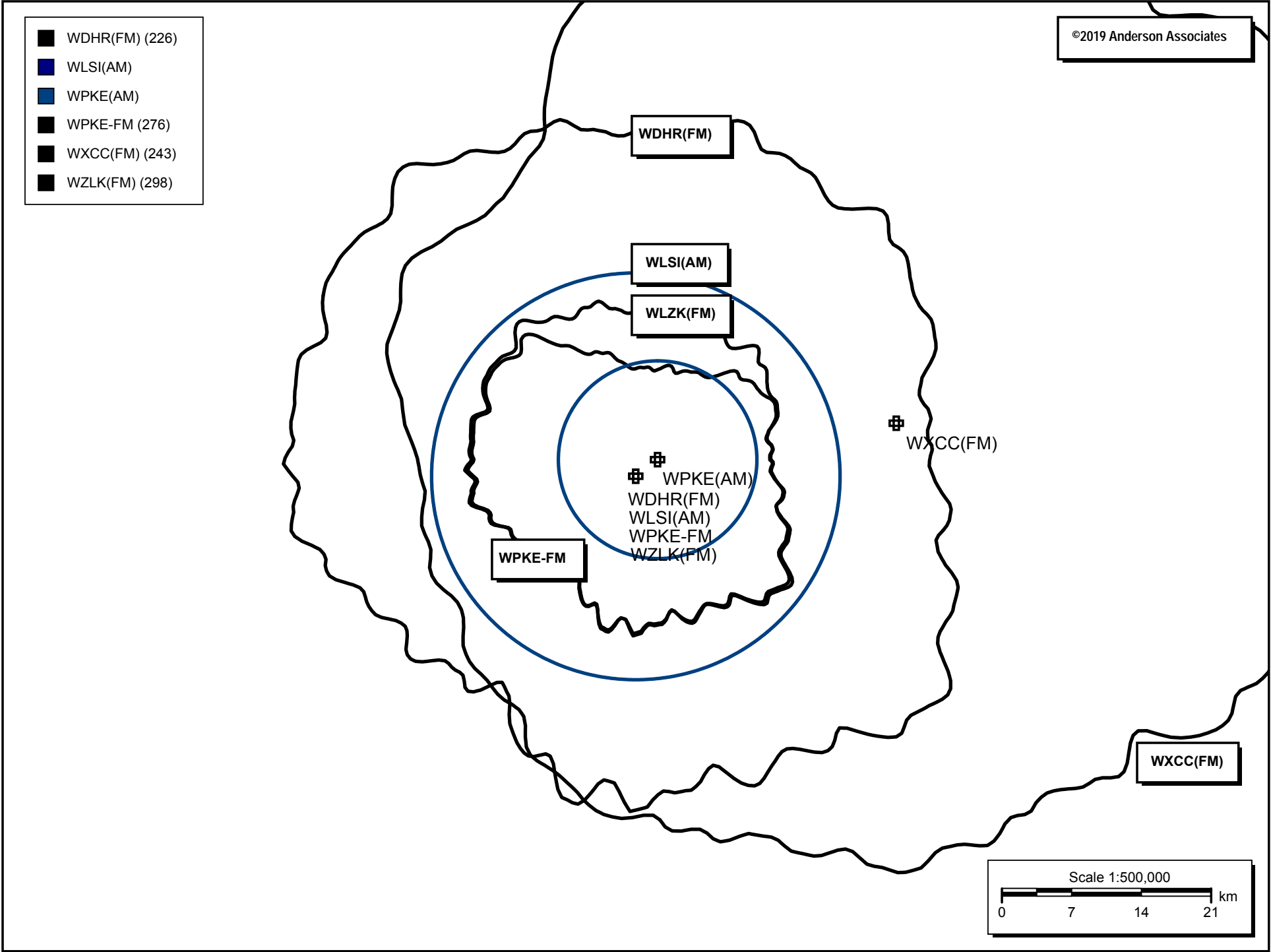
Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WDHR (FM)	FM	226C2	Pikeville	KY	BLH20040917ABI	0.0	0.0
WLSI (AM)	AM	900	PIKEVILLE	KY	BL20051115AFN	0.0	0.0
WPKE-FM	FM	276A	Coal Run	KY	BLH20020820ABI	0.0	0.0
WPRT (AM)	AM	960	PRESTONSBURG	KY	BL20030428AFT	29.5	312.8
WXCC (FM)	FM	243C1	Williamson	WV	BLH20071205ABF	26.7	78.5
WZLK (FM)	FM	298A	Virgie	KY	BLH20050228ABK	0.0	0.0

Overlapping Contours:

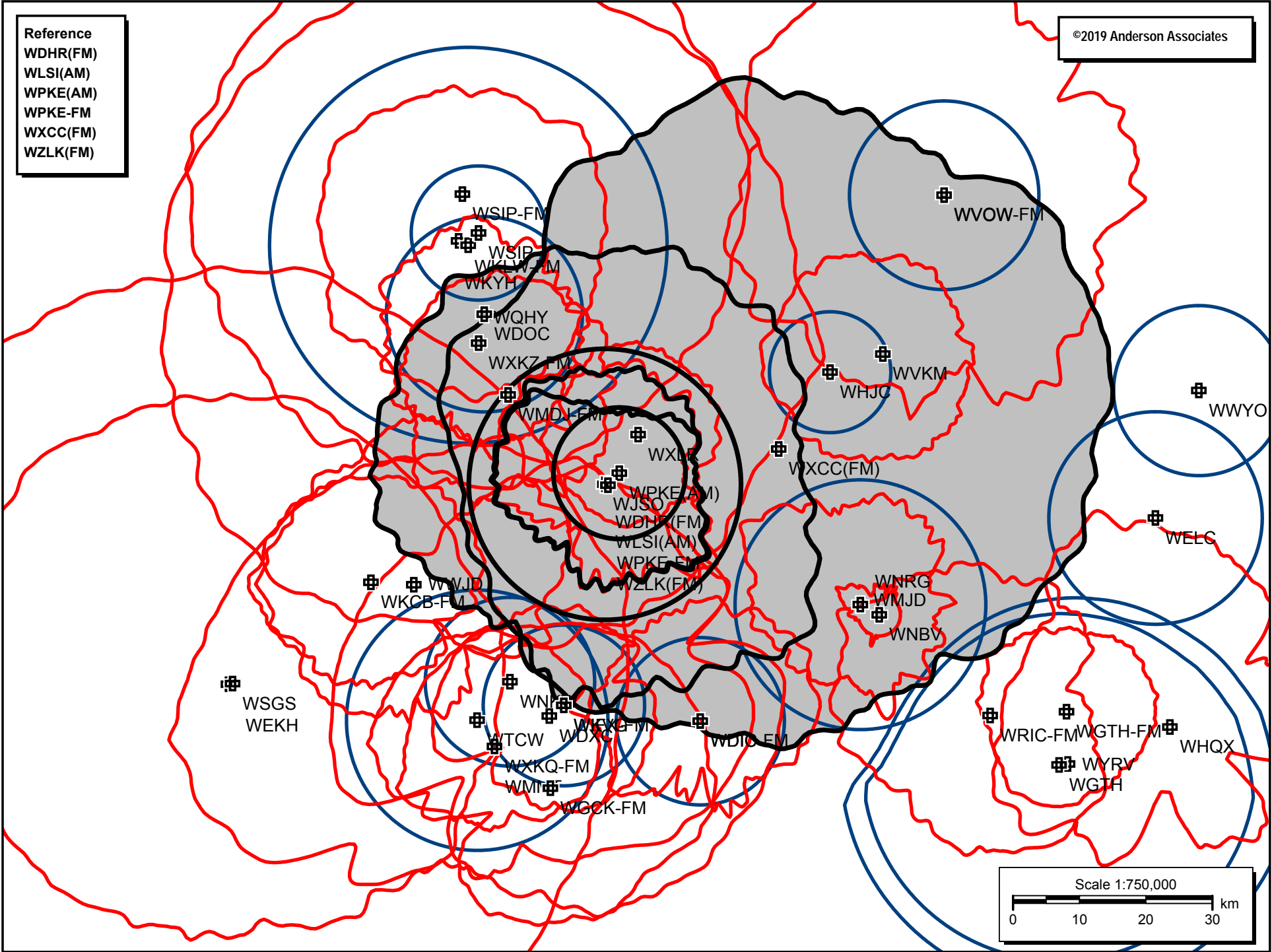
Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WMMT	FM	204C1	Whitesburg	KY	BLED19951023KA	42.8	202.8
WJSO	FM	211C3	Pikeville	KY	BMLED20031106AGD	0.5	108.3
WEKH	FM	215C1	Hazard	KY	BLED20011206AAK	64.1	242.0
WWJD	FM	219C3	Pippa Passes	KY	BLED19971028KA	32.4	242.2
WIFX-FM	FM	232C2	Jenkins	KY	BLH20070511ACW	33.8	190.5
WKLV-FM	FM	234C3	Paintsville	KY	BLH19930719KD	42.7	329.0
WQHY	FM	238C	Prestonsburg	KY	BLH19910521KB	31.3	324.6
WSIP-FM	FM	255C1	Paintsville	KY	BLH20110725AFB	48.6	333.8
WMDJ-FM	FM	261A	Allen	KY	BLH19930408KC	19.8	312.7
WSGS	FM	266C	Hazard	KY	BLH19871217KD	63.5	241.8
WXXQ-FM	FM	280A	Whitesburg	KY	BLH20051102AAL	42.8	202.8
WXLK	FM	285A	Harold	KY	BLH19940124KD	9.0	33.9
WXXZ-FM	FM	287A	Prestonsburg	KY	BLH19990823KD	28.5	318.2
WRLV-FM	FM	293A	Salyersville	KY	BLH20060125ACF	55.7	305.7
WKCB-FM	FM	296A	Hindman	KY	BMLH19900302KB	38.1	247.2
WNBV	FM	201A	Grundy	VA	BLED20081217AAC	45.7	115.4
WDIC-FM	FM	221A	Clinchco	VA	BLH19920212KE	38.4	158.0
WRIC-FM	FM	249C3	Richlands	VA	BLH20070509AAM	67.6	120.9
WGCK-FM	FM	259C3	Coeburn	VA	BLH20050624AAO	46.4	190.1
WMJD	FM	264A	Grundy	VA	BLH20050722ABK	42.5	115.2
WDXC	FM	272A	Pound	VA	BMLH19921221KA	35.8	193.4
WGTH-FM	FM	288A	Richlands	VA	BLH19791119AE	77.4	116.2
WVOW-FM	FM	270B	Logan	WV	BLH20061019ADY	67.0	49.5
WVKM	FM	294A	Matewan	WV	BLED20170202ABE	46.1	64.9
WVOW	AM	1290	LOGAN	WV	BL20080711AES	67.0	49.5
WELC	AM	1150	WELCH	WV	BL19891219AC	82.9	93.5
WGTH	AM	540	RICHLANDS	VA	BL5291	80.3	121.7
WHJC	AM	1360	MATEWAN	WV	BL	37.8	63.5
WDIC	AM	1430	CLINCHCO	VA	BL19791012AL	38.4	158.0
WTCW	AM	920	WHITESBURG	KY	BL19930517AA	40.3	208.4
WKYH	AM	600	PAINTSVILLE	KY	BML20110406ADF	41.4	330.2
WSIP	AM	1490	PAINTSVILLE	KY	BL19781107AD	42.3	333.3
WDOC	AM	1310	PRESTONSBURG	KY	BL20040823ACD	31.3	324.6
WNKW	AM	1480	NEON	KY	BL19820802AC	32.9	205.7
WNRG	AM	940	GRUNDY	VA	BL	42.5	115.2
WKVG	AM	1000	JENKINS	KY	BL	33.8	190.5

Distance and bearing calculations from coordinates: 37-27-57 N, 082-33-04 W

E-5 Ownership Market #2 Reference Plot



E-6 Ownership Market #2 Plot



E-7 Ownership Market #2 List

4 FMs and 2 AMs in a total market of 44.

Reference:

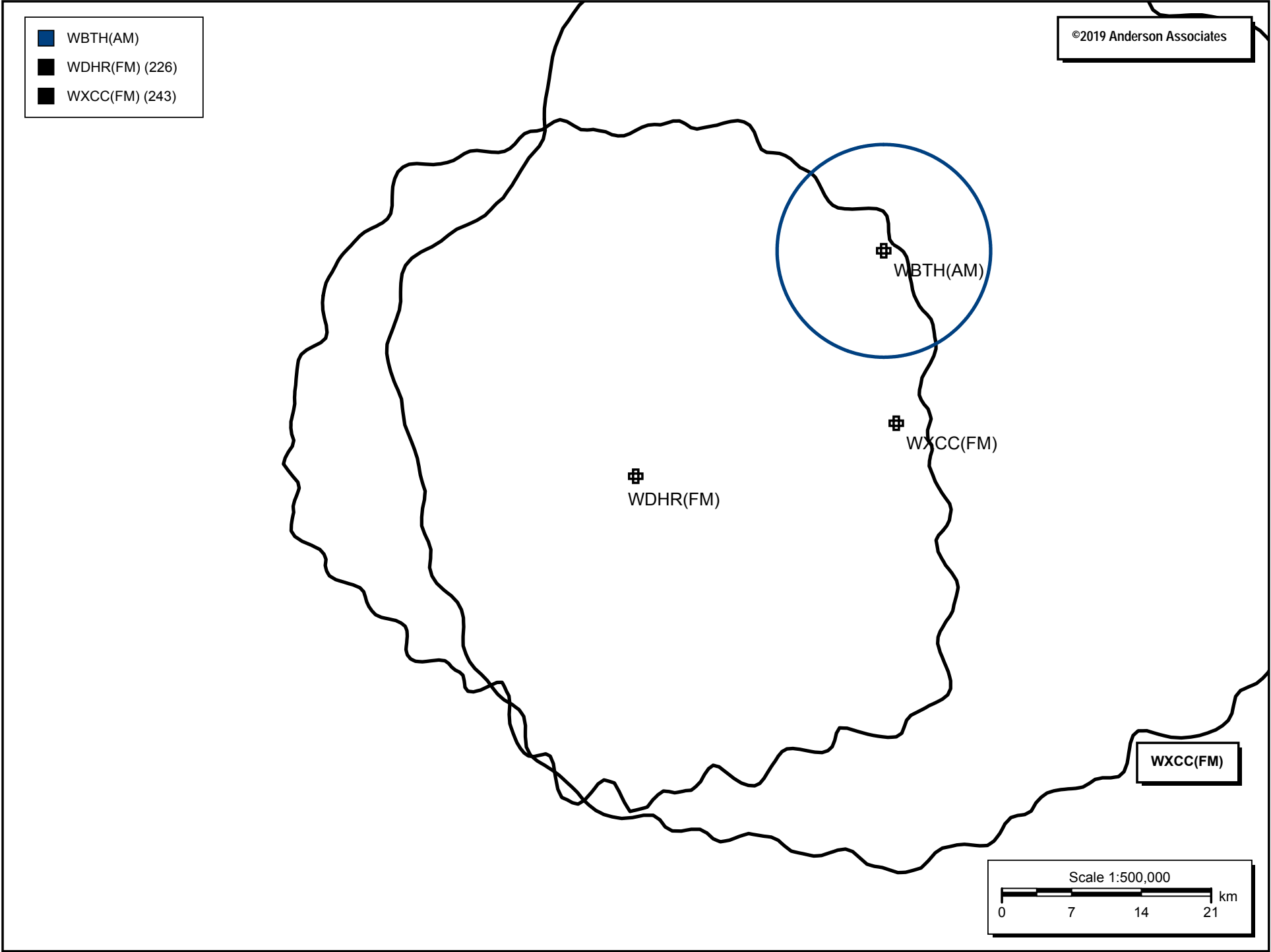
Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WDHR (FM)	FM	226C2	Pikeville	KY	BLH20040917ABI	0.0	0.0
WLSI (AM)	AM	900	PIKEVILLE	KY	BL20051115AFN	0.0	0.0
WPKE (AM)	AM	1240	PIKEVILLE	KY	BL20011022ABG	2.7	52.7
WPKE-FM	FM	276A	Coal Run	KY	BLH20020820ABI	0.0	0.0
WXCC (FM)	FM	243C1	Williamson	WV	BLH20071205ABF	26.7	78.5
WZLK (FM)	FM	298A	Virgie	KY	BLH20050228ABK	0.0	0.0

Overlapping Contours:

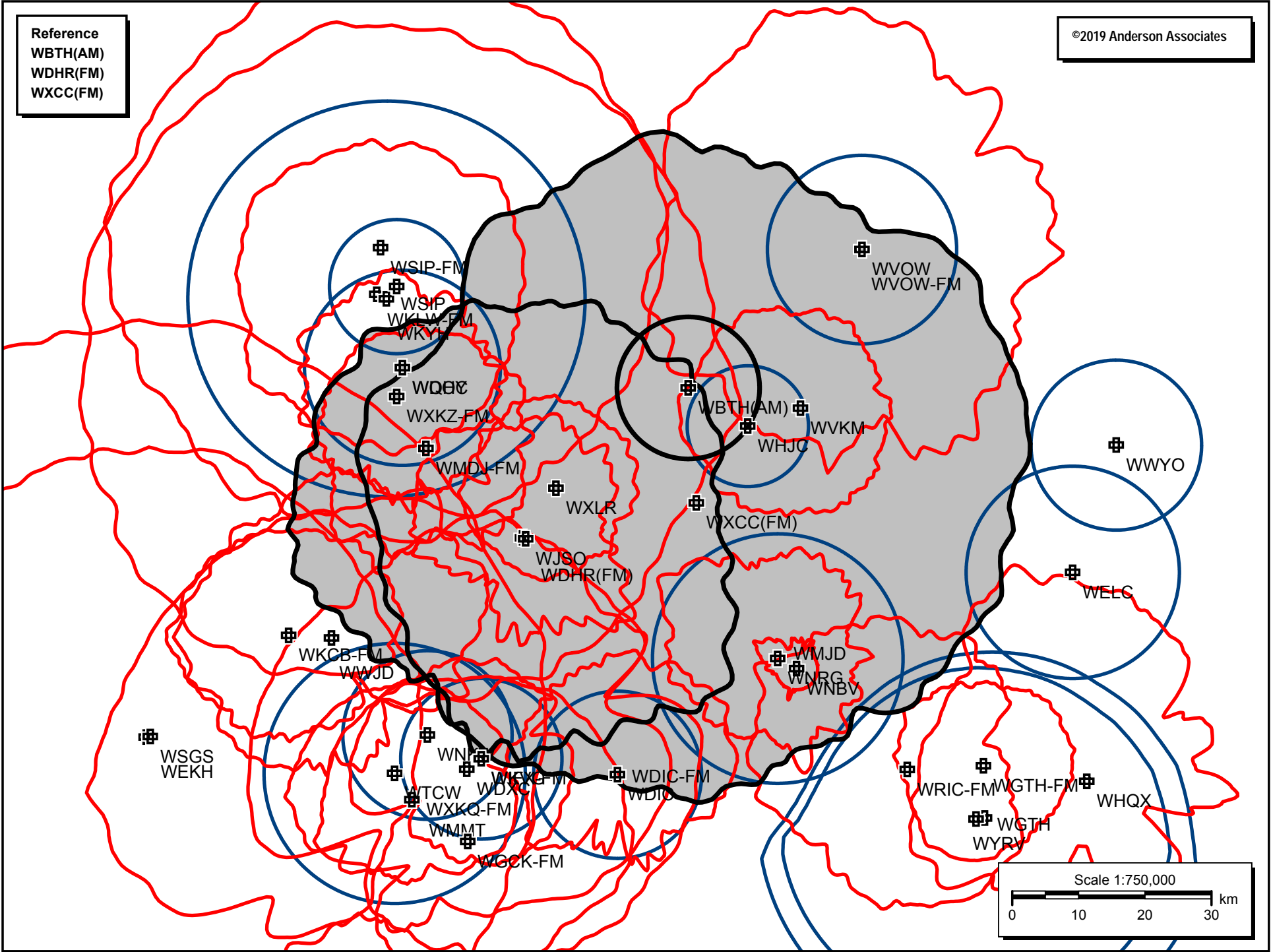
Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WMMT	FM	204C1	Whitesburg	KY	BLED19951023KA	42.8	202.8
WJSO	FM	211C3	Pikeville	KY	BMLED20031106AGD	0.5	108.3
WEKH	FM	215C1	Hazard	KY	BLED20011206AAK	64.1	242.0
WWJD	FM	219C3	Pippa Passes	KY	BLED19971028KA	32.4	242.2
WIFX-FM	FM	232C2	Jenkins	KY	BLH20070511ACW	33.8	190.5
WKLV-FM	FM	234C3	Paintsville	KY	BLH19930719KD	42.7	329.0
WQHY	FM	238C	Prestonsburg	KY	BLH19910521KB	31.3	324.6
WSIP-FM	FM	255C1	Paintsville	KY	BLH20110725AFB	48.6	333.8
WMDJ-FM	FM	261A	Allen	KY	BLH19930408KC	19.8	312.7
WSGS	FM	266C	Hazard	KY	BLH19871217KD	63.5	241.8
WXXQ-FM	FM	280A	Whitesburg	KY	BLH20051102AAL	42.8	202.8
WXLK	FM	285A	Harold	KY	BLH19940124KD	9.0	33.9
WXXZ-FM	FM	287A	Prestonsburg	KY	BLH19990823KD	28.5	318.2
WKCB-FM	FM	296A	Hindman	KY	BMLH19900302KB	38.1	247.2
WNBV	FM	201A	Grundy	VA	BLED20081217AAC	45.7	115.4
WDIC-FM	FM	221A	Clinchco	VA	BLH19920212KE	38.4	158.0
WRIC-FM	FM	249C3	Richlands	VA	BLH20070509AAM	67.6	120.9
WGCK-FM	FM	259C3	Coeburn	VA	BLH20050624AAO	46.4	190.1
WMJD	FM	264A	Grundy	VA	BLH20050722ABK	42.5	115.2
WDXC	FM	272A	Pound	VA	BMLH19921221KA	35.8	193.4
WGTH-FM	FM	288A	Richlands	VA	BLH19791119AE	77.4	116.2
WVOW-FM	FM	270B	Logan	WV	BLH20061019ADY	67.0	49.5
WVKM	FM	294A	Matewan	WV	BLED20170202ABE	46.1	64.9
WHQX	FM	299C3	Gary	WV	BLH20040217ACF	92.4	113.2
WVOW	AM	1290	LOGAN	WV	BL20080711AES	67.0	49.5
WWYO	AM	970	PINEVILLE	WV	BL	90.4	81.0
WELC	AM	1150	WELCH	WV	BL19891219AC	82.9	93.5
WYRV	AM	770	CEDAR BLUFF	VA	BL19860325AD	81.3	121.1
WGTH	AM	540	RICHLANDS	VA	BL5291	80.3	121.7
WHJC	AM	1360	MATEWAN	WV	BL	37.8	63.5
WDIC	AM	1430	CLINCHCO	VA	BL19791012AL	38.4	158.0
WTCW	AM	920	WHITESBURG	KY	BL19930517AA	40.3	208.4
WKYH	AM	600	PAINTSVILLE	KY	BML20110406ADF	41.4	330.2
WSIP	AM	1490	PAINTSVILLE	KY	BL19781107AD	42.3	333.3
WDOC	AM	1310	PRESTONSBURG	KY	BL20040823ACD	31.3	324.6
WNKW	AM	1480	NEON	KY	BL19820802AC	32.9	205.7
WNRG	AM	940	GRUNDY	VA	BL	42.5	115.2
WKVG	AM	1000	JENKINS	KY	BL	33.8	190.5

Distance and bearing calculations from coordinates: 37-27-57 N, 082-33-04 W

E-8 Ownership Market #3 Reference Plot



E-9 Ownership Market #3 Plot



E-10 Ownership Market #3 List

2 FMs and 1 AM in a market of 41.

Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WBTH (AM)	AM	1400	WILLIAMSON	WV	BL19840924AF	0.0	0.0
WDHR (FM)	FM	226C2	Pikeville	KY	BLH20040917ABI	33.6	227.9
WXCC (FM)	FM	243C1	Williamson	WV	BLH20071205ABF	17.3	176.0

Overlapping Contours:

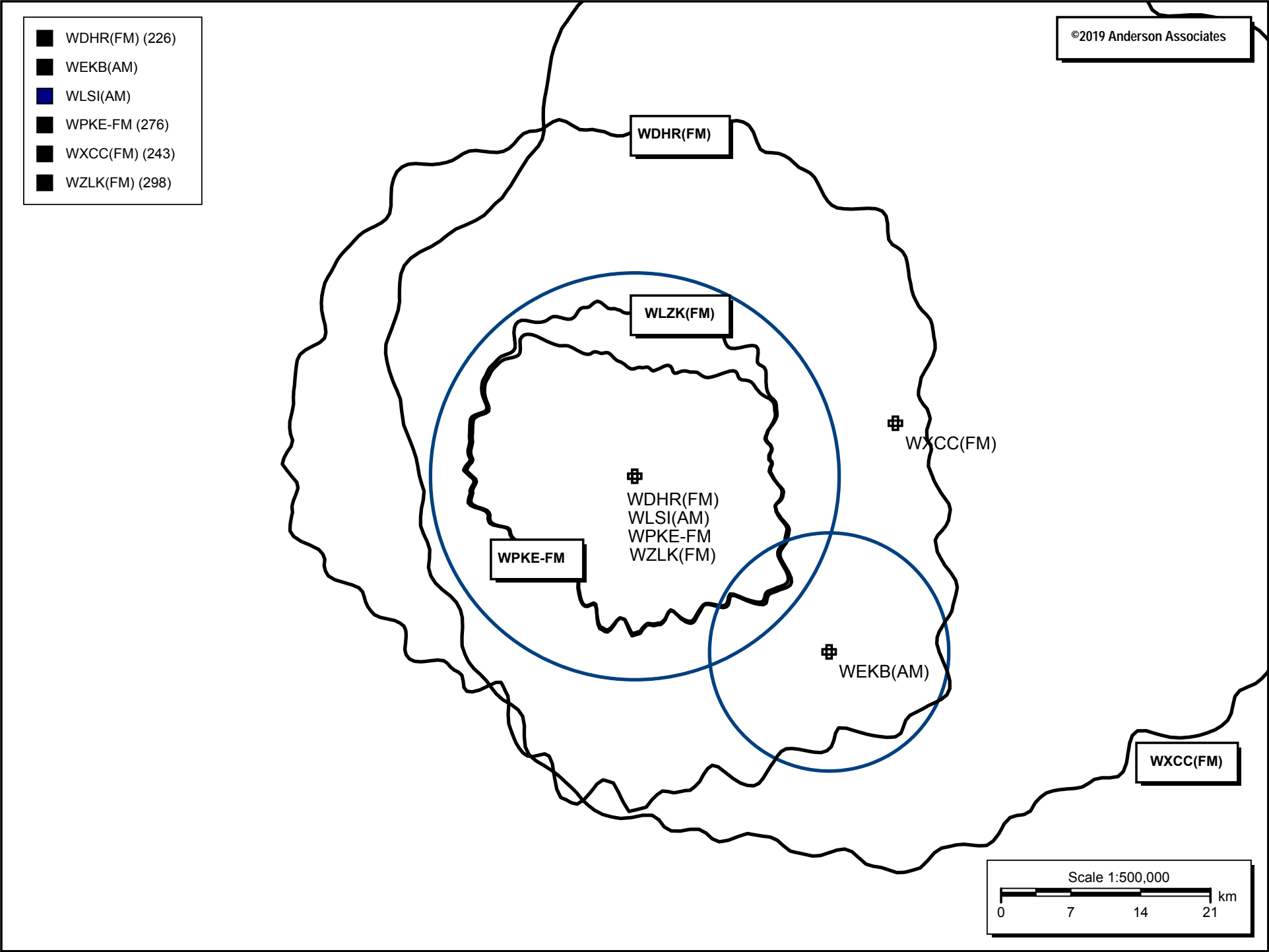
Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WMMT	FM	204C1	Whitesburg	KY	BLED19951023KA	74.6	213.9
WJSO	FM	211C3	Pikeville	KY	BMLD20031106AGD	33.4	227.2
WEKH	FM	215C1	Hazard	KY	BLED20011206AAK	97.0	237.3
WWJD	FM	219C3	Pippa Passes	KY	BLED19971028KA	65.5	235.0
WIFX-FM	FM	232C2	Jenkins	KY	BLH20070511ACW	63.9	209.2
WKLW-FM	FM	234C3	Paintsville	KY	BLH19930719KD	48.9	286.8
WQHY	FM	238C	Prestonsburg	KY	BLH19910521KB	43.1	274.1
WSIP-FM	FM	255C1	Paintsville	KY	BLH20110725AFB	50.8	294.5
WMDJ-FM	FM	261A	Allen	KY	BLH19930408KC	40.5	257.1
WSGS	FM	266C	Hazard	KY	BLH19871217KD	96.4	237.1
WXXQ-FM	FM	280A	Whitesburg	KY	BLH20051102AAL	74.6	213.9
WXLN	FM	285A	Harold	KY	BLH19940124KD	25.0	232.9
WXXZ-FM	FM	287A	Prestonsburg	KY	BLH19990823KD	43.9	268.3
WKCB-FM	FM	296A	Hindman	KY	BMLH19900302KB	70.7	238.3
WNBV	FM	201A	Grundy	VA	BLED20081217AAC	45.3	159.0
WDIC-FM	FM	221A	Clinchco	VA	BLH19920212KE	59.1	190.4
WRIC-FM	FM	249C3	Richlands	VA	BLH20070509AAM	66.2	150.2
WGCK-FM	FM	259C3	Coeburn	VA	BLH20050624AAO	75.9	206.0
WMJD	FM	264A	Grundy	VA	BLH20050722ABK	42.9	161.8
WDXC	FM	272A	Pound	VA	BMLH19921221KA	66.3	210.2
WGTH-FM	FM	288A	Richlands	VA	BLH19791119AE	72.1	142.0
WVOW-FM	FM	270B	Logan	WV	BLH20061019ADY	33.5	51.5
WVKM	FM	294A	Matewan	WV	BLED20170202ABE	17.2	100.3
WHQX	FM	299C3	Gary	WV	BLH20040217ACF	84.2	134.7
WVOW	AM	1290	LOGAN	WV	BL20080711AES	33.4	51.5
WWYO	AM	970	PINEVILLE	WV	BL	65.0	97.7
WELC	AM	1150	WELCH	WV	BL19891219AC	64.1	115.7
WYRV	AM	770	CEDAR BLUFF	VA	BL19860325AD	78.6	145.5
WGTH	AM	540	RICHLANDS	VA	BL5291	78.0	146.3
WHJC	AM	1360	MATEWAN	WV	BL	10.6	122.8
WDIC	AM	1430	CLINCHCO	VA	BL19791012AL	59.1	190.4
WTCW	AM	920	WHITESBURG	KY	BL19930517AA	72.9	217.4
WKYH	AM	600	PAINTSVILLE	KY	BML20110406ADF	47.3	286.5
WSIP	AM	1490	PAINTSVILLE	KY	BL19781107AD	46.4	289.2
WDOC	AM	1310	PRESTONSBURG	KY	BL20040823ACD	43.1	274.1
WNKW	AM	1480	NEON	KY	BL19820802AC	65.3	217.0
WNRG	AM	940	GRUNDY	VA	BL	42.9	161.8
WKVG	AM	1000	JENKINS	KY	BL	63.9	209.2

Distance and bearing calculations from coordinates: 37-40-09 N, 082-16-09 W

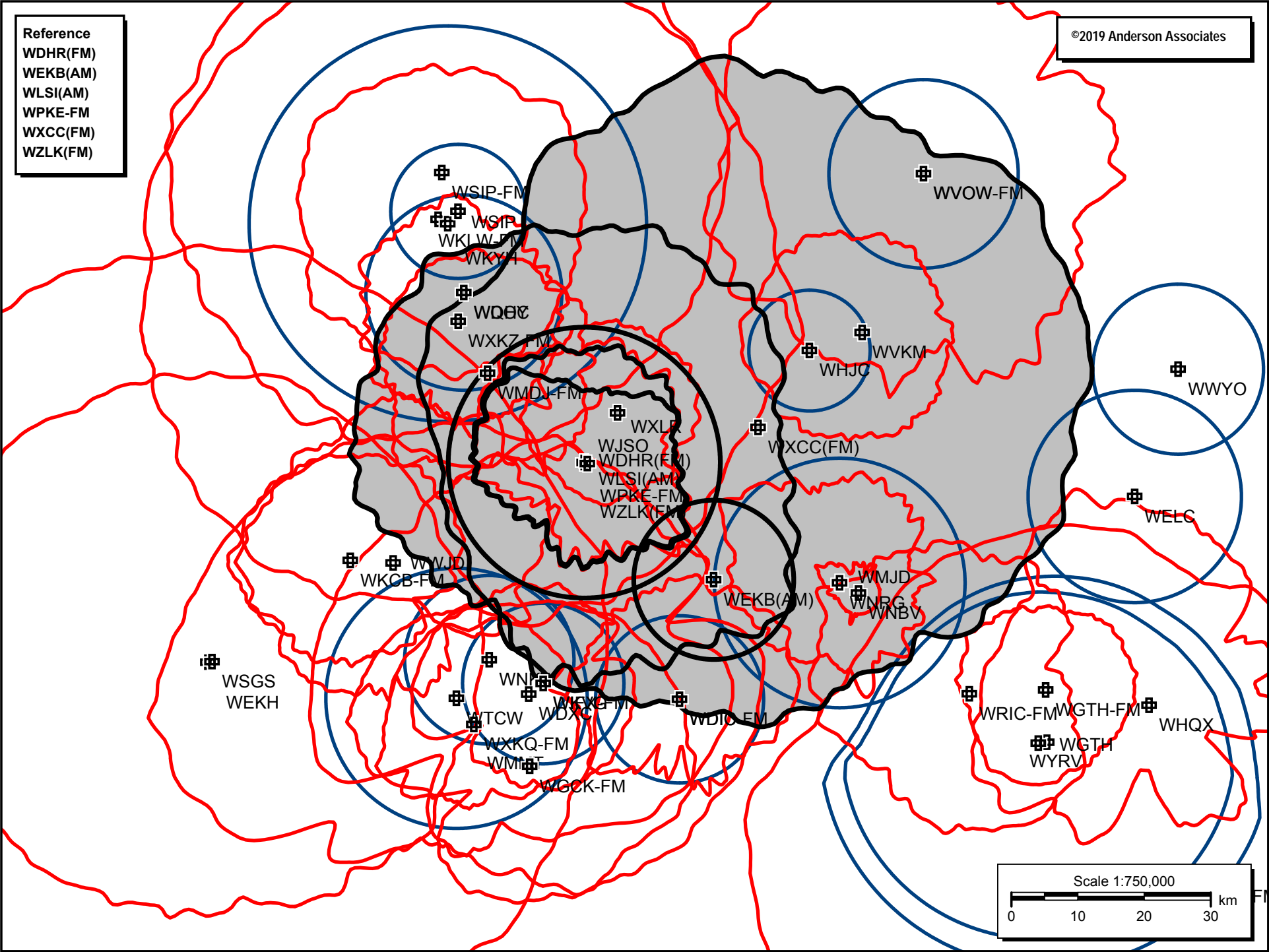
Duopoly Options:

TV: Not Included

E-11 Ownership Market #4 Reference Plot



E-12 Ownership Market #4 Plot



E-13 Ownership Market #4 List

4 FMs and 2 AMs in a market of 45.

Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WDHR (FM)	FM	226C2	Pikeville	KY	BLH20040917ABI	0.0	0.0
WEKB (AM)	AM	1460	ELKHORN CITY	KY	BL19840921AF	26.3	132.1
WLSI (AM)	AM	900	PIKEVILLE	KY	BL20051115AFN	0.0	0.0
WPKE-FM	FM	276A	Coal Run	KY	BLH20020820ABI	0.0	0.0
WXCC (FM)	FM	243C1	Williamson	WV	BLH20071205ABF	26.7	78.5
WZLK (FM)	FM	298A	Virgie	KY	BLH20050228ABK	0.0	0.0

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WMMT	FM	204C1	Whitesburg	KY	BLED19951023KA	42.8	202.8
WJSO	FM	211C3	Pikeville	KY	BMLED20031106AGD	0.5	108.3
WEKH	FM	215C1	Hazard	KY	BLED20011206AAK	64.1	242.0
WWJD	FM	219C3	Pippa Passes	KY	BLED19971028KA	32.4	242.2
WIFX-FM	FM	232C2	Jenkins	KY	BLH20070511ACW	33.8	190.5
WKLW-FM	FM	234C3	Paintsville	KY	BLH19930719KD	42.7	329.0
WQHY	FM	238C	Prestonsburg	KY	BLH19910521KB	31.3	324.6
WSIP-FM	FM	255C1	Paintsville	KY	BLH20110725AFB	48.6	333.8
WMDJ-FM	FM	261A	Allen	KY	BLH19930408KC	19.8	312.7
WSGS	FM	266C	Hazard	KY	BLH19871217KD	63.5	241.8
WXXQ-FM	FM	280A	Whitesburg	KY	BLH20051102AAL	42.8	202.8
WXLN	FM	285A	Harold	KY	BLH19940124KD	9.0	33.9
WXXZ-FM	FM	287A	Prestonsburg	KY	BLH19990823KD	28.5	318.2
WKCB-FM	FM	296A	Hindman	KY	BMLH19900302KB	38.1	247.2
WNBV	FM	201A	Grundy	VA	BLED20081217AAC	45.7	115.4
WDIC-FM	FM	221A	Clinchco	VA	BLH19920212KE	38.4	158.0
WMEV-FM	FM	230C	Marion	VA	BLH20060512AAB	109.3	124.7
WRIC-FM	FM	249C3	Richlands	VA	BLH20070509AAM	67.6	120.9
WGCK-FM	FM	259C3	Coeburn	VA	BLH20050624AAO	46.4	190.1
WMJD	FM	264A	Grundy	VA	BLH20050722ABK	42.5	115.2
WDXC	FM	272A	Pound	VA	BMLH19921221KA	35.8	193.4
WGTH-FM	FM	288A	Richlands	VA	BLH19791119AE	77.4	116.2
WVOW-FM	FM	270B	Logan	WV	BLH20061019ADY	67.0	49.5
WVKM	FM	294A	Matewan	WV	BLED20170202ABE	46.1	64.9
WHQX	FM	299C3	Gary	WV	BLH20040217ACF	92.4	113.2
WVOW	AM	1290	LOGAN	WV	BL20080711AES	67.0	49.5
WWYO	AM	970	PINEVILLE	WV	BL	90.4	81.0
WELC	AM	1150	WELCH	WV	BL19891219AC	82.9	93.5
WYRV	AM	770	CEDAR BLUFF	VA	BL19860325AD	81.3	121.1
WGTH	AM	540	RICHLANDS	VA	BL5291	80.3	121.7
WHJC	AM	1360	MATEWAN	WV	BL	37.8	63.5
WDIC	AM	1430	CLINCHCO	VA	BL19791012AL	38.4	158.0
WTCW	AM	920	WHITESBURG	KY	BL19930517AA	40.3	208.4
WKYH	AM	600	PAINTSVILLE	KY	BML20110406ADF	41.4	330.2
WSIP	AM	1490	PAINTSVILLE	KY	BL19781107AD	42.3	333.3
WDOC	AM	1310	PRESTONSBURG	KY	BL20040823ACD	31.3	324.6
WNKW	AM	1480	NEON	KY	BL19820802AC	32.9	205.7
WNRG	AM	940	GRUNDY	VA	BL	42.5	115.2
WKVG	AM	1000	JENKINS	KY	BL	33.8	190.5

Distance and bearing calculations from coordinates: 37-27-57 N, 082-33-04 W

Duopoly Options:

TV: Not Included

FM: 3.16 mV/m (70 dBu); Include NCE

AM: 5.0 mV/m

Stations more than 92 km from the common area were excluded.