

## **Ownership Study**

This ownership study is provided as an analysis for the aural broadcast markets formed by the proposed modification of WPKE-FM at Coal Run, KY to channel 221C3 in accordance with MB Docket No. 04-319.

WPKE-FM is not located within an Arbitron Metro area; as a consequence, the permitted common ownership is determined using the contour overlap methodology. The attached 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 excluding any stations with a transmitter site greater than 92 km from any portion of the mutually overlapping area, as well as any commonly owned stations which do not mutually overlap the defined markets.

Exhibit E1 shows all of the commonly owned stations city grade contours. The mutually overlapping stations create three markets. Exhibits E2 through E4 show each of the mutually overlapping markets.

### **Market #1:**

WPKE-FM-WBTH(AM)-WXCC(FM)-WDHR(FM)

3 FM and 1 AM with a total of forty-two (42) stations.

### **Market #2:**

WPKE-FM-WEKB(AM)-WDGR(FM)-WXCC(FM)-WZLK(FM)-WLSI(AM)

3 FM and 3 AM in a total market of forty-five (45) stations.

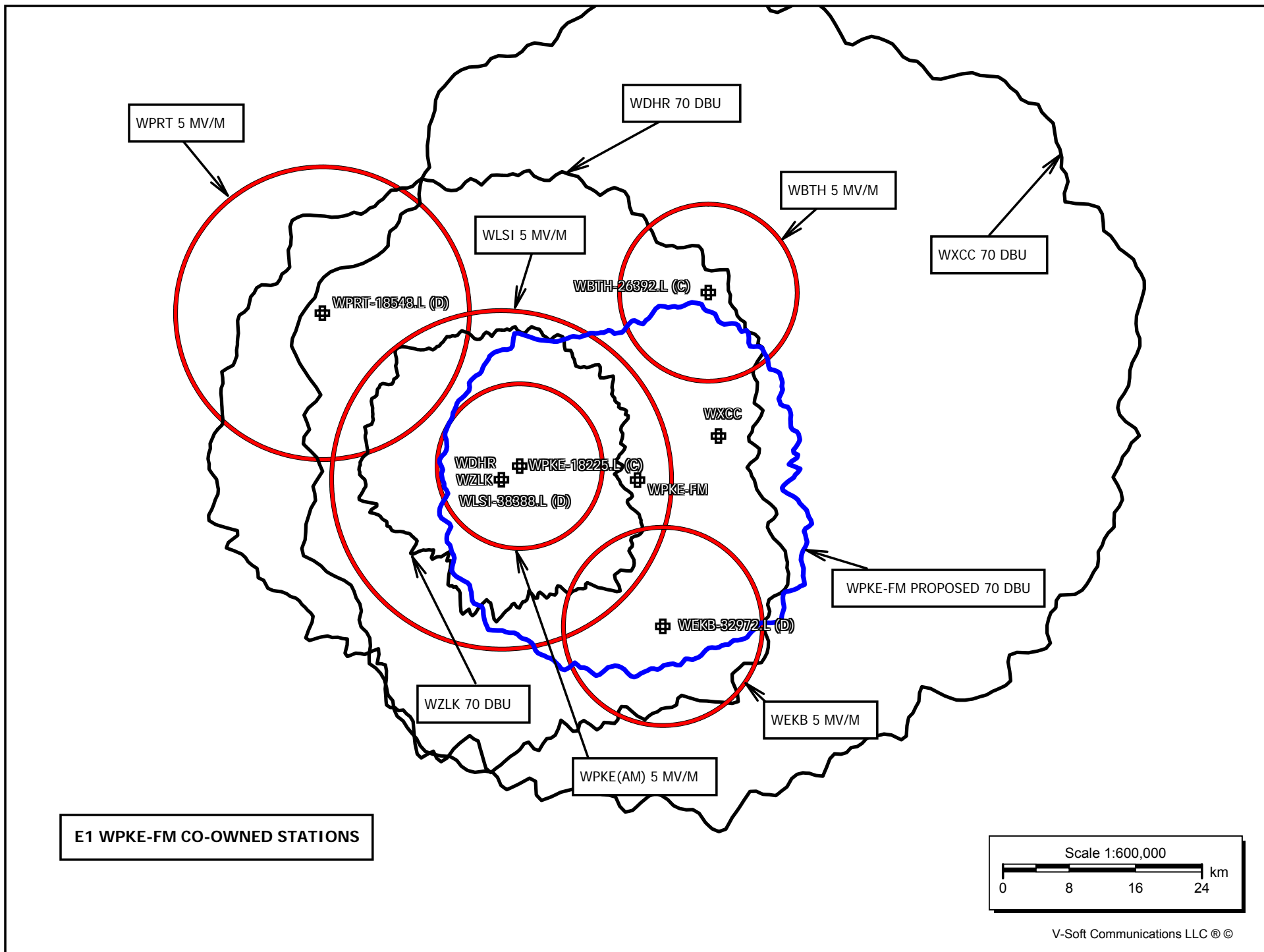
### **Market #3:**

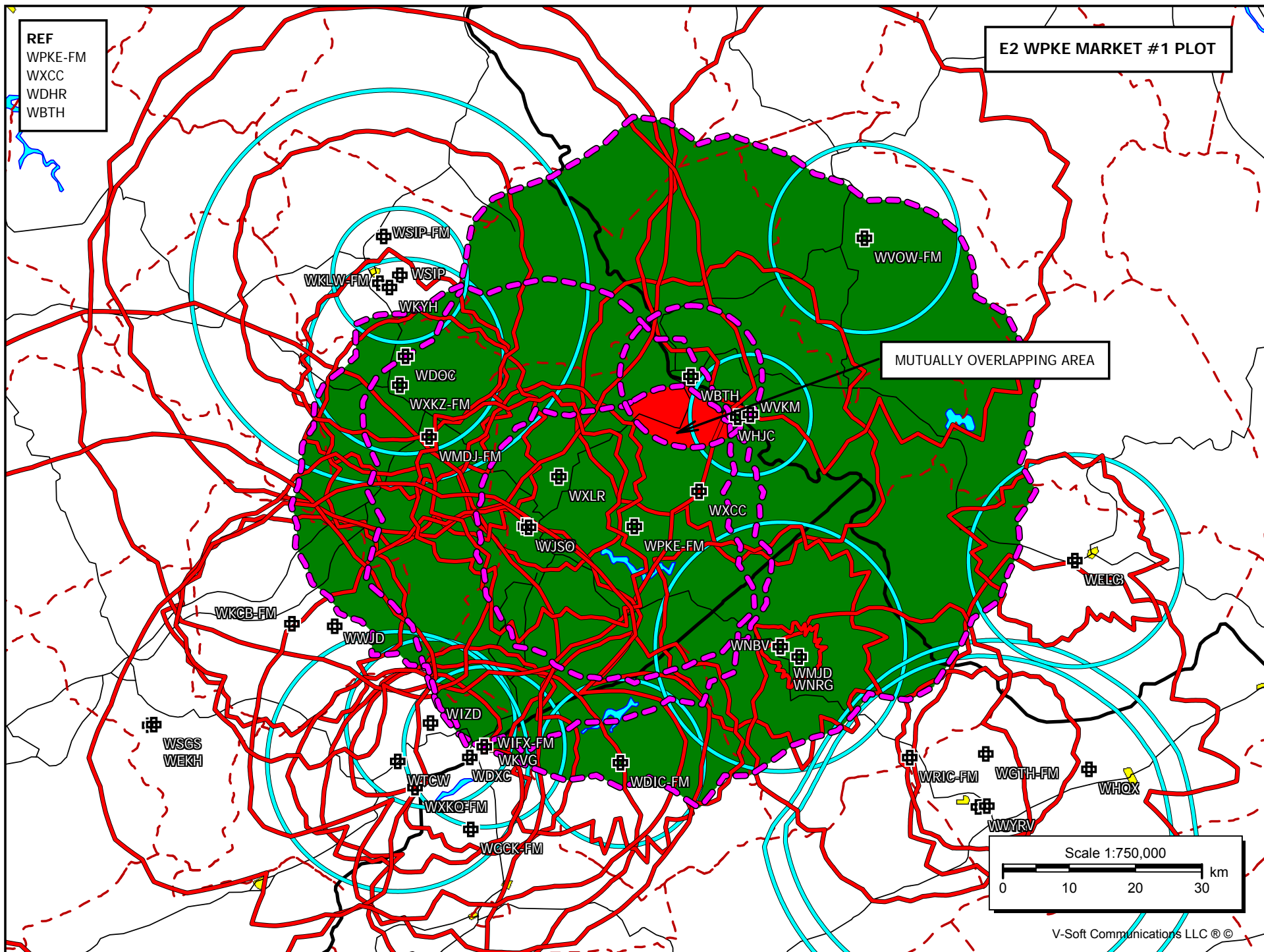
WPKE-FM-WZLK(FM)-WPKE(AM)-WLSI(AM)-WXCC(FM)-WDGR(FM)

4 FM and 2 AM in a market of forty-four (44) stations excluding commonly owned stations.

In accordance with CFR §73.3555(a)(1)(ii) and (iii), the common ownership of the defined markets is permissible.

Charles M. Anderson 10-29-2011





## E2A WPKE-FM MARKET #1 Total number of overlapping contours: 42

Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WPKE-FM	FM	221C3	Coal Run	KY	BLH20020820ABI	0.0	0.0
WXCC	FM	243C1	Williamson	WV	BLH20071205ABF	11.1	61.4
WDHR	FM	226C2	Pikeville	KY	BLH20040917ABI	16.4	270.2
WBTH	AM	1400	WILLIAMSON	WV	BL19840924AF	24.2	20.7

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WMMT	FM	204C1	Whitesburg	KY	BLH20020820ABI	51.4	220.0
WJSO	FM	211C3	Pikeville	KY	BMLH20031106AGD	15.9	269.6
WEKH	FM	215C1	Hazard	KY	BLH20011206AAK	78.9	247.7
WWJD	FM	219C3	Pippa Passes	KY	BLH20011206AAK	47.6	251.6
WIFX-FM	FM	232C2	Jenkins	KY	BLH20070511ACW	40.1	214.3
WKLW-FM	FM	234C3	Paintsville	KY	BLH19930719KD	53.0	313.7
WQHY	FM	238C	Prestonsburg	KY	BLH19910521KB	43.0	306.6
WSIP-FM	FM	255C1	Paintsville	KY	BLH20110725AFB	57.7	319.2
WMDJ-FM	FM	261A	Allen	KY	BLH19930408KC	33.7	293.6
WSGS	FM	266C	Hazard	KY	BLH19871217KD	78.3	247.6
WXKQ-FM	FM	280A	Whitesburg	KY	BLH20051102AAL	51.4	220.0
WXLH	FM	285A	Harold	KY	BLH19940124KD	13.6	303.4
WXKZ-FM	FM	287A	Prestonsburg	KY	BLH19990823KD	41.2	301.1
WKCB-FM	FM	296A	Hindman	KY	BMLH19900302KB	53.6	254.2
WNBV	FM	201A	Grundy	VA	BLH20081217AAC	31.7	128.3
WDIC-FM	FM	221A	Clinchco	VA	BLH19920212KE	35.6	183.4
WRIC-FM	FM	249C3	Richlands	VA	BLH20070509AAM	54.1	130.0
WGCK-FM	FM	259C3	Coeburn	VA	BLH20050624AAO	51.8	208.4
WMJD	FM	264A	Grundy	VA	BLH20050722ABK	28.5	129.5
WDXC	FM	272A	Pound	VA	BMLH19921221KA	42.7	215.5
WGTH-FM	FM	288A	Richlands	VA	BLH19791119AE	63.1	122.9
WVOW-FM	FM	270B	Logan	WV	BLH20061019ADY	55.6	38.6
WKQB	FM	275A	Welch	WV	BLH19900207KC	66.6	94.4
WVKM	FM	294C3	Matewan	WV	BLH19940613KL	22.7	43.4
WHQX	FM	299C3	Gary	WV	BLH20040217ACF	77.6	118.1
WGTH	AM	540	RICHLANDS	VA	BL5291	66.9	129.2
WVOW	AM	1290	LOGAN	WV	BL20080711AES	55.6	38.6
WELC	AM	1150	WELCH	WV	BL19891219AC	66.6	94.4
WYRV	AM	770	CEDAR BLUFF	VA	BL19860325AD	67.8	128.4
WHJC	AM	1360	MATEWAN	WV	BL	24.3	46.1
WNRG	AM	940	GRUNDY	VA	BL	28.5	129.5
WTCW	AM	920	WHITESBURG	KY	BL19930517AA	50.2	225.2
WSIP	AM	1490	PAINTSVILLE	KY	BL19781107AD	51.8	317.0
WDIC	AM	1430	CLINCHCO	VA	BL19791012AL	35.6	183.4
WDOC	AM	1310	PRESTONSBURG	KY	BL20040823ACD	43.0	306.6
WIZD	AM	1480	NEON	KY	BL19820802AC	42.6	226.0
WKVG	AM	1000	JENKINS	KY	BL	40.1	214.3
WKYH	AM	600	PAINTSVILLE	KY	BML20110406ADF	51.5	314.3

Distance and bearing calculations from coordinates: 37-27-56 N, 082-21-57 W

Duopoly Options:

TV: Not Included

FM: 3.16 mV/m (70 dBu); Include NCE and AM 5 mV/m



**E3A WPKE-FM MARKET #2 LISTING Total number of overlapping contours: 45**

Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WPKE-FM	FM	221C3	Coal Run	KY	BLH20020820ABI	0.0	0.0
WDHR	FM	226C2	Pikeville	KY	BLH20040917ABI	16.4	270.2
WXCC	FM	243C1	Williamson	WV	BLH20071205ABF	11.1	61.4
WZLK	FM	298A	Virgie	KY	BLH20050228ABK	16.4	270.2
WEKB	AM	1460	ELKHORN CITY	KY	BL19840921AF	17.9	170.2
WLSI	AM	900	PIKEVILLE	KY	BL20051115AFN	16.4	270.2

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WMMT	FM	204C1	Whitesburg	KY	BLED19951023KA	51.4	220.0
WJSO	FM	211C3	Pikeville	KY	BMLD200311106AGD	15.9	269.6
WEKH	FM	215C1	Hazard	KY	BLED20011206AAK	78.9	247.7
WWJD	FM	219C3	Pippa Passes	KY	BLED19971028KA	47.6	251.6
WIFX-FM	FM	232C2	Jenkins	KY	BLH20070511ACW	40.1	214.3
WKLV-FM	FM	234C3	Paintsville	KY	BLH19930719KD	53.0	313.7
WQHY	FM	238C	Prestonsburg	KY	BLH19910521KB	43.0	306.6
WSIP-FM	FM	255C1	Paintsville	KY	BLH20110725AFB	57.7	319.2
WMDJ-FM	FM	261A	Allen	KY	BLH19930408KC	33.7	293.6
WSGS	FM	266C	Hazard	KY	BLH19871217KD	78.3	247.6
WXKQ-FM	FM	280A	Whitesburg	KY	BLH20051102AAL	51.4	220.0
WXLN	FM	285A	Harold	KY	BLH19940124KD	13.6	303.4
WXKZ-FM	FM	287A	Prestonsburg	KY	BLH19990823KD	41.2	301.1
WKCB-FM	FM	296A	Hindman	KY	BMLH19900302KB	53.6	254.2
WNBV	FM	201A	Grundy	VA	BLED20081217AAC	31.7	128.3
WDIC-FM	FM	221A	Clinchco	VA	BLH19920212KE	35.6	183.4
WMEV-FM	FM	230C	Marion	VA	BLH20060512AAB	96.2	130.4
WRIC-FM	FM	249C3	Richlands	VA	BLH20070509AAM	54.1	130.0
WGCK-FM	FM	259C3	Coeburn	VA	BLH20050624AAO	51.8	208.4
WMJD	FM	264A	Grundy	VA	BLH20050722ABK	28.5	129.5
WDXC	FM	272A	Pound	VA	BMLH19921221KA	42.7	215.5
WGTH-FM	FM	288A	Richlands	VA	BLH19791119AE	63.1	122.9
WVOW-FM	FM	270B	Logan	WV	BLH20061019ADY	55.6	38.6
WKQB	FM	275A	Welch	WV	BLH19900207KC	66.6	94.4
WVKM	FM	294C3	Matewan	WV	BLH19940613KL	22.7	43.4
WHQX	FM	299C3	Gary	WV	BLH20040217ACF	77.6	118.1
WGTH	AM	540	RICHLANDS	VA	BL5291	66.9	129.2
WVOW	AM	1290	LOGAN	WV	BL20080711AES	55.6	38.6
WELC	AM	1150	WELCH	WV	BL19891219AC	66.6	94.4
WYRV	AM	770	CEDAR BLUFF	VA	BL19860325AD	67.8	128.4
WHJC	AM	1360	MATEWAN	WV	BL	24.3	46.1
WNRG	AM	940	GRUNDY	VA	BL	28.5	129.5
WTCW	AM	920	WHITESBURG	KY	BL19930517AA	50.2	225.2
WSIP	AM	1490	PAINTSVILLE	KY	BL19781107AD	51.8	317.0
WDIC	AM	1430	CLINCHCO	VA	BL19791012AL	35.6	183.4
WDOC	AM	1310	PRESTONSBURG	KY	BL20040823ACD	43.0	306.6
WIZD	AM	1480	NEON	KY	BL19820802AC	42.6	226.0
WKVG	AM	1000	JENKINS	KY	BL	40.1	214.3
WKYH	AM	600	PAINTSVILLE	KY	BML20110406ADF	51.5	314.3

Distance and bearing calculations from coordinates: 37-27-56 N, 082-21-57 W

FM 70 DBU, NCE included and AM 5 mV/m.





**E4A WPKE-FM MARKET #3 LISTING Total number of overlapping contours: 44**

Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WPKE-FM	FM	221C3	Coal Run	KY	BLH20020820ABI	0.0	0.0
WZLK	FM	298A	Virgie	KY	BLH20050228ABK	16.4	270.2
WXCC	FM	243C1	Williamson	WV	BLH20071205ABF	11.1	61.4
WDHR	FM	226C2	Pikeville	KY	BLH20040917ABI	16.4	270.2
WPKE	AM	1240	PIKEVILLE	KY	BL20011022ABG	14.3	276.9
WLSI	AM	900	PIKEVILLE	KY	BL20051115AFN	16.4	270.2

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WMMT	FM	204C1	Whitesburg	KY	BLED19951023KA	51.4	220.0
WJSO	FM	211C3	Pikeville	KY	BMLD200311106AGD	15.9	269.6
WEKH	FM	215C1	Hazard	KY	BLED20011206AAK	78.9	247.7
WWJD	FM	219C3	Pippa Passes	KY	BLED19971028KA	47.6	251.6
WIFX-FM	FM	232C2	Jenkins	KY	BLH20070511ACW	40.1	214.3
WKLW-FM	FM	234C3	Paintsville	KY	BLH19930719KD	53.0	313.7
WQHY	FM	238C	Prestonsburg	KY	BLH19910521KB	43.0	306.6
WSIP-FM	FM	255C1	Paintsville	KY	BLH20110725AFB	57.7	319.2
WMDJ-FM	FM	261A	Allen	KY	BLH19930408KC	33.7	293.6
WSGS	FM	266C	Hazard	KY	BLH19871217KD	78.3	247.6
WXKQ-FM	FM	280A	Whitesburg	KY	BLH20051102AAL	51.4	220.0
WXLN	FM	285A	Harold	KY	BLH19940124KD	13.6	303.4
WXKZ-FM	FM	287A	Prestonsburg	KY	BLH19990823KD	41.2	301.1
WKCB-FM	FM	296A	Hindman	KY	BMLH19900302KB	53.6	254.2
WNBV	FM	201A	Grundy	VA	BLED20081217AAC	31.7	128.3
WDIC-FM	FM	221A	Clinchco	VA	BLH19920212KE	35.6	183.4
WRIC-FM	FM	249C3	Richlands	VA	BLH20070509AAM	54.1	130.0
WGCK-FM	FM	259C3	Coeburn	VA	BLH20050624AAO	51.8	208.4
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WVOW-FM	FM	270B	Logan	WV	BLH20061019ADY	55.6	38.6
WKQB	FM	275A	Welch	WV	BLH19900207KC	66.6	94.4
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WHQX	FM	299C3	Gary	WV	BLH20040217ACF	77.6	118.1
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WVOW	AM	1290	LOGAN	WV	BL20080711AES	55.6	38.6
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WYRV	AM	770	CEDAR BLUFF	VA	BL19860325AD	67.8	128.4
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WNRG	AM	940	GRUNDY	VA	BL	28.5	129.5
WTCW	AM	920	WHITESBURG	KY	BL19930517AA	50.2	225.2
WSIP	AM	1490	PAINTSVILLE	KY	BL19781107AD	51.8	317.0
WDIC	AM	1430	CLINCHCO	VA	BL19791012AL	35.6	183.4
WDOC	AM	1310	PRESTONSBURG	KY	BL20040823ACD	43.0	306.6
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WKVG	AM	1000	JENKINS	KY	BL	40.1	214.3
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