

**MULTIPLE SERVICES STUDY
(Supplement to Exhibit 20)**

Associated with the
Co-ownership of Stations:

WBTU(FM) – Kendaville, IN WJFX(FM) – New Haven, IN
WXKE.A(FM) – Churubusco, IN WWFW(FM) – Ft. Wayne, IN
WLYV(AM) – Ft. Wayne, IN WGL(AM) – Ft. Wayne, IN

Interim Contour Methodology for the Creation
of Market #1

March 2017

CERTIFICATION OF ENGINEERS

The firm of Munn-Reese, Broadcast Engineering Consultants, with offices in Coldwater, Michigan, has been retained for the purpose of preparing the technical data forming this report.

The data utilized in this report was taken from the FCC Secondary Database and data on file. While this information is believed accurate, errors or omissions in the database and file data are possible. This firm may not be held liable for damages as a result of such data errors or omissions.

The report has been prepared by properly trained electronics specialists under the direction of the undersigned whose qualifications are a matter of record before the Federal Communications Commission.

I declare under penalty of the laws of perjury that the contents of this report are true and accurate to the best of my knowledge and belief.

March 7, 2017

MUNN-REESE



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Engineering Statement

This firm was retained to determine the minimum number of principal community radio contours available from stations authorized for commercial and non-commercial service associated with the co-ownership of six (6) stations within Fort Wayne, IN Arbitron Market as reported by BIA. The stations in question are WJFX(FM), WBTU(FM), WGL(AM), WXKE.A(FM), WLYV(AM), and WWFW(FM). Due to the fact that one of these stations is home to the Fort Wayne, IN Arbitron Market but not located within the Fort Wayne, IN rated market a contour overlap map study of the stations listed above is provided herein.

Under the *Interim Contour-overlap Methodology*, one (1) separate and distinct market will result within this entire ownership group. Market #1 is comprised of all six (6) of the stations listed above.

The existing facilities of the stations included in this report were determined by the use of currently updated copies of the FCC computer databases of AM and FM stations. The listed facilities served as the basis for the computation of the respective principal community contours. The accuracy of the results of this study is understood to be limited to the accuracy of these databases. The FCC databases give no indication of licensed facilities that may be inoperative, construction permit facilities that may now be operating under program test authority (but have not yet been issued a license) or facilities which may have been licensed since the last update. Therefore, some stations may have been included or excluded erroneously. However, unless otherwise indicated, all licensed facilities known to be inoperative and all known applications (other than WXKE.A(FM)) and construction permit facilities, have been eliminated from consideration in this study.

For AM stations, Map M-3 soil conductivity values and the authorized licensed transmitting facilities served as the basis for the computation of the predicted 5.0 mV/m groundwave contour in accordance with §73.183 of the FCC Rules. The distance to the contour was computed for seventy-two (72) equally spaced azimuths beginning with 0° True. For FM stations, the authorized Center of Radiation and ERP values were utilized to compute the predicted 3.16 mV/m (70 dBu) contour as provided in §73.313 of the Rules. The predicted FM contours shown in this report are based on the use of 72 equally spaced terrain radials beginning with 0° True.

Exhibit 1.0 shows the six (6) stations under common control or proposed to be under common control which are relevant for this ownership group. To aid in identifying the respective contours, current or proposed AM contours have been shown with dashed lines, while current or proposed FM contours have been shown with solid lines. The Market #1 common overlap area has been designated as well.

For Market #1 the market defining contours have been shown in **Exhibit 2.0** of this report along with a minimum number of principal community contours entering the market. The defining contours have been shown with green lines on this map. AM contours entering the market have been denoted in light blue lines. FM contour entering the market have been shown in red lines. As stated before, the contours shown only represent enough stations to satisfy the minimum requirement of the Rules. Co-owned stations entering the market, but not defining the market have been omitted. A complete tabulation of stations entering Market #1 will be supplied upon request.

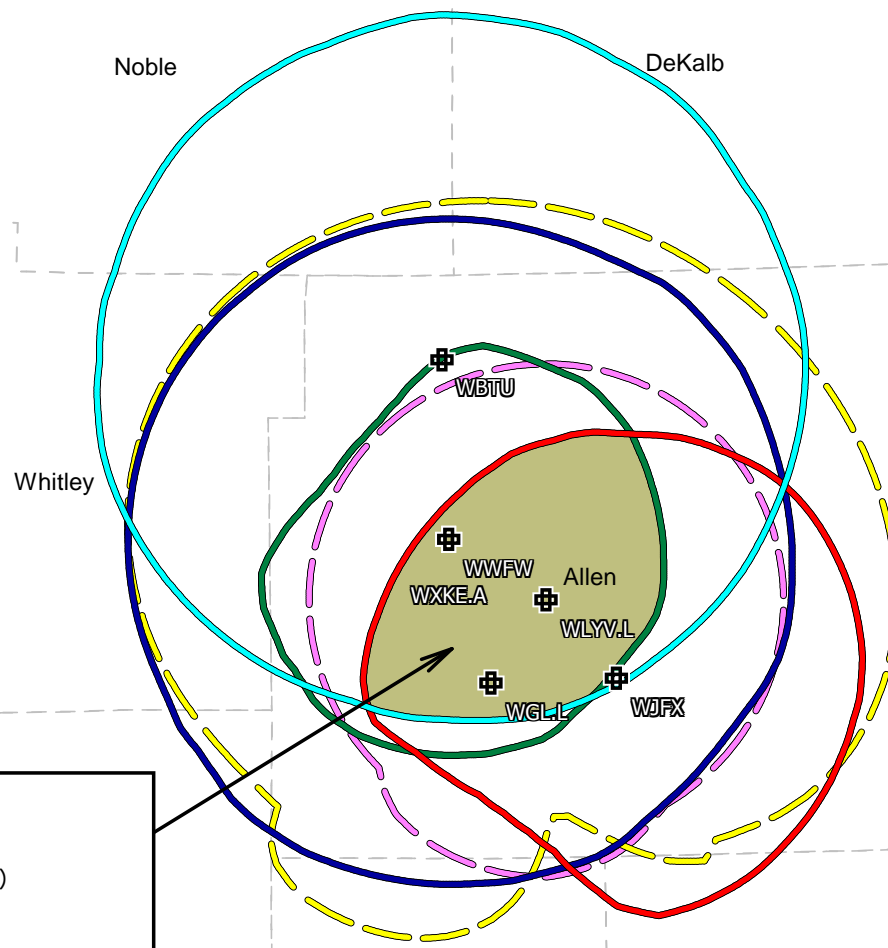
Under the current rules, Market #1 falls at least within the minimum limitations set forth in §73.3555 (a)(1)(iii): ***In a radio market with between 15 and 29 (inclusive) full-power, commercial and noncommercial radio stations, not more than 6 commercial radio stations in total and not more than 4 commercial stations in the same service (AM or FM).*** The principal community contours of at least twenty (20) other stations entering the market are shown in **Exhibit 2.0**. Including the four (4) FM and two (2) AM stations which define the market, there are at least twenty-six (26) aural services in Market#1. **Exhibit 2.1** lists the facilities of the individual stations used in this Market #1 report.

Exhibit 1.0

Map of Market #1 and Commonly Owned or controlled Stations

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- WBTV (227)
- WJFX (300)
- WXKE.A (242)
- WWFW (280)
- WGL.L
- WLYV.L



Market #1
WBTV(FM)
WJFX(FM)
WXKE.A(FM)
WWFW(FM)
WGL(AM)
WLYV(AM)

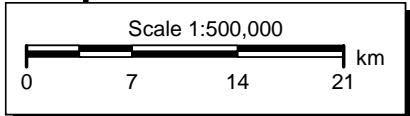


Exhibit 2.0

Map of Stations Entering Market #1

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- Market #1 Boundry
- FM Stations Entering Market #1
- AM Stations Entering Market #1

Interim Contour Market #1

- WBTU(FM)
- WJFX(FM)
- WXKE.A(FM)
- WWFW(FM)
- WLYV(AM)
- WGL(AM)

AM Contours: 5.0 mV/m Daytime
 Map M3 Ground Conductivity
 FM Contours: 70 dBu F(50:50)
 USGS 03 SEC Terrain Data

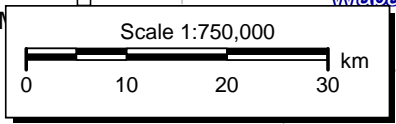
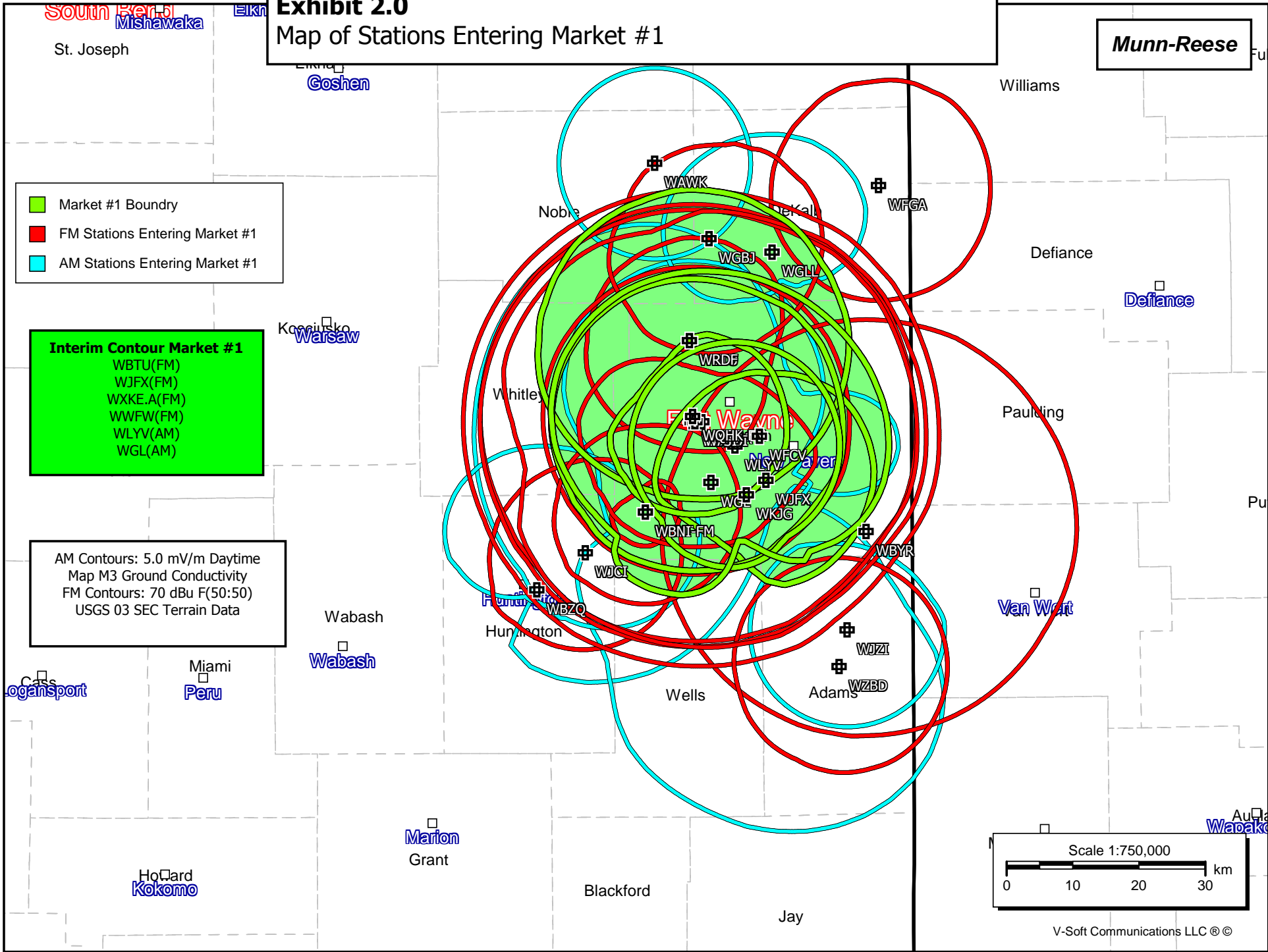


Exhibit 2.1

Tabulation of Select Stations Entering Market #1

Stations Entering Market #1: (No less than 26)

Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WBTU	FM	227B1	Kendallville	IN	BLH20030602AXS	0.0	0.0
WJFX	FM	300A	New Haven	IN	BLH20000802AAG	24.0	151.3
WXKE.A	FM	242B1	Churubusco	IN	BPH20170221ACY	11.9	178.0
WWFW	FM	280A	Fort Wayne	IN	BLH20141105AAK	11.9	178.0
WLYV	AM	1450	FORT WAYNE	IN	BL19800801AH	17.3	156.6
WGL	AM	1250	FORT WAYNE	IN	BMML20101220ACG	21.6	171.4

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WLAB	FM	202B1	Fort Wayne	IN	BLH20141030AAZ	11.9	178.0
WBOI	FM	206B	Fort Wayne	IN	BLH20140406KA	12.4	171.3
WBCL	FM	212B	Fort Wayne	IN	BLH20040528AHQ	12.2	178.0
WCYT	FM	216A	Lafayette Township	IN	BLH20140630KA	26.7	194.4
WZBD	FM	224A	Berne	IN	BLH19950327KC	54.0	155.4
WBNI-FM	FM	231A	Roanoke	IN	BLH20090825BUV	26.7	194.4
WAJI	FM	236B	Fort Wayne	IN	BLH19900226KE	12.2	176.1
WMEE	FM	247B	Fort Wayne	IN	BLH20120307AAF	11.4	177.7
WBYR	FM	255B	Woodburn	IN	BLH20080930BKE	39.2	137.3
WGBJ	FM	272A	Auburn	IN	BLH19990723KG	15.7	11.0
WJCI	FM	275A	Huntington	IN	BLH20140304AAE	35.6	206.2
WQHK-FM	FM	286B1	Huntertown	IN	BLH20120307AAG	11.4	177.7
WRDF	FM	292A	Columbia City	IN	BLH20040108AML	0.0	0.0
WFGA	FM	294A	Hicksville	OH	BLH20100120AAE	36.9	50.7
WJZI	AM	1540	DECATUR	IN	BL19860619AB	49.6	151.5
WBZQ	AM	1300	HUNTINGTON	IN	BL	44.0	211.5
WAWK	AM	1140	KENDALLVILLE	IN	BL19790719AD	27.2	349.0
WGLL	AM	1570	AUBURN	IN	BL	18.3	43.1
WKJG	AM	1380	FORT WAYNE	IN	BL20040407ABL	24.8	159.8
WFCV	AM	1090	FORT WAYNE	IN	BL20031216ADX	17.9	143.8

Distance and bearing calculations from coordinates: 41-12-49 N, 085-12-04 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.

Only a minimum number of stations have been shown which insures compliance with the Rules. A complete tabulation of stations entering the market will be supplied upon request. Co-owned stations entering, but not defining the market, have been omitted. In addition, all stations whose transmitter sites reside more than 92 km from the perimeter of the area of mutual overlap of the commonly attributable stations have been omitted.

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