

**ENGINEERING STATEMENT**

PREPARED FOR:

ENTERCOM WIKES-BARRE SCRANTON, LLC

MULTIPLE OWNERSHIP REPORT

WILKES-BARRE / SCRANTON, PENNSYLVANIA

JANUARY 2003

## **Engineering Statement**

This study has been prepared in a manner consistent with rules adopted in MM Docket Number 91-140, §73.3555, concerning common ownership of stations that involve overlap of their principal community coverage contours.

This multiple ownership showing was prepared by Entercom Wilkes-Barre Scranton, LLC ("EWBS"), to be associated with the filing of an application to correct the site elevation and attendant calculated height above average terrain (HAAT) of station WGGY (FM), Channel 267B, Scranton, PA, FCC Facility ID 36202. Specific details of the circumstances and technical parameter changes are incorporated in the technical exhibits of the application.

Although there is no change to the licensed effective radiated power (ERP) or the specific site coordinates, the correction of the WGGY (FM) HAAT parameters results in an increase in the area covered by the calculated principal community ("city-grade") signal contour, creating a new multiple ownership market within the established EWBS ownership profile in the Wilkes-Barre / Scranton, Pennsylvania area.

The corrected principal community contour of WGGY (FM) is now known to intersect the principal community contour of commonly-owned station WAMT (FM), Channel 276A, Benton, PA, FCC Facility ID 22666; previously there had been no predicted intersection of the principal community signal contours of these two stations. In light of this situation, this multiple ownership study was undertaken.

EWBS is licensee of the stations described in Table 5 and Exhibit 5, attached. There is no overlap of the licensed principal community contour of any other AM or FM broadcast stations now owned by EWBS or proposed to be acquired by EWBS in any pending application. Although one of the facilities listed in Table 5, WKRF (FM), Channel 300A, licensed to Tobyhanna, PA is included in this study, the WKRF (FM) principal community contour does not overlap any of the other existing or proposed principal community contours of the other EWBS stations, as demonstrated in Exhibit 5.

The attached maps, Exhibit 1 through Exhibit 5, show the 3.16 mV/m contour for each of the relevant FM stations and the 5.0 mV/m daytime groundwave signal contours for the relevant AM stations. For the purpose of applying the FCC's multiple ownership rules, the "radio market" is formed by the various combinations of the overlapping contours among these stations. To assist in determining the number of stations within the resulting radio markets, the maps show the licensed commercial AM and FM transmitter sites contained within each individual relevant radio market. Table 1 through Table 5, also attached, identify the commercial broadcast transmitter facility sites shown on the accompanying Exhibits.

The contours and sites of the facilities depicted in Exhibit 1 through Exhibit 5 were derived from information on file with the FCC. The listed stations, their facilities and geographic coordinates (NAD 27) used for plotting on the Exhibits were obtained from the FCC's database, last updated January 2, 2003.

The markets shown in Exhibits 1, 2 and 3 are unchanged from the presentation made in connection with the approval of FCC File Nos. BAL19990827HE *et al.* The market shown in Exhibit 4 is the only one affected by the correction to the principal community signal contour of WGGY (FM). These separate radio markets are as follows:

1. In the market depicted in Exhibit 1, formed by the overlap of the contours of WGGI (FM), WKRZ (FM) and WILK (AM) (two FM's and one AM), there are at least 14 stations which provide principal community service to at least a portion of the radio market.

2. In the market depicted in Exhibit 2, formed by the overlap of the contours of WAMT (FM), WKRZ (FM), WILK (AM) and WOGY (AM) (two FM's and two AM's), there are at least 15 stations which provide principal community service to at least a portion of the radio market.

3. In the market depicted in Exhibit 3, formed by the overlap of the contours of WKRZ (FM), WGGY (FM), WDMT (FM), WGBI (AM) and WILK (AM) (three FM's and two AM's), there are at least 19 stations which provide principal community service to at least a portion of the radio market.

4. In the market depicted on Exhibit 4, formed by the overlap of the contours of WAMT (FM), WGGY (FM), WKRZ (FM) and WILK (AM) (three FM's and one AM), there are at least 19 stations which provide principal community service to at least a portion of the radio market.

In each instance, the number of commonly-owned stations held by EWBS is permissible under the standards of Section 73.3555 of the Commission's rules.

### Engineer's Certification

I declare under penalty of perjury that this Engineering Statement and its associated exhibits have been prepared on behalf of Entercom Wilkes-Barre Scranton, LLC and all representations herein are true and correct to the best of my knowledge and belief.

I am an experienced radio engineer, whose qualifications are a matter of record with the Federal Communications Commission. I am the Vice-President of Engineering for Entercom Wilkes-Barre Scranton, LLC.

Martin D. Hadfield

January 27<sup>th</sup>, 2003

Martin D. Hadfield

Subscribed to and affirmed before me and in my presence on this 27 th day of January, 2003.

Cynthia L. Zalke

Notary Public for the State of Washington.

My commission expires 7/29/04



**TABLE 1**  
**ENTERCOM WILKES-BARRE SCRANTON, LLC**  
 January 2003  
 Identification of 14 Commercial Aural Broadcast Stations  
 Providing Principal Community Service Within the  
 WGGI (FM), WKRZ (FM) and WILK-AM  
 Radio Market

Map Index Reference	Call Sign & Location	Facilities	Geographic Coordinates (° - ' - ")
1	WARM Scranton, PA	Lic: 590 kHz, 5 kW	41-28-44 NL 075-52-51 WL
2	WBAX Wilkes-Barre, PA	Lic: 1240 kHz, 1 kW	41-15-13 NL 075-54-25 WL
3	WBHD (FM) Olyphant, PA	Lic: CH 239A, 0.6 kW	41-26-09 NL 075-43-45 WL
4	WBHT (FM) Mountain Top, PA	Lic: CH 246A, 0.5 kW	41-10-57 NL 075-52-19 WL
5	WBSX (FM) Hazleton, PA	Lic: CH 205B, 19.5 kW	41-04-55 NL 075-56-55 WL
6	WCWQ (FM) Dallas, PA	Lic: CH 229A, 1.4 kW	41-15-43 NL 075-58-04 WL
7	WEJL Scranton, PA	Lic: 630 kHz, 0.5 kW	41-24-34 NL 075-40-01 WL
8	WEZX (FM) Scranton, PA	Lic: CH 295A, 1.4 kW	41-20-52 NL 075-39-03 WL
9	WICK Scranton, PA	Lic: 1400 kHz, 1 kW	41-25-05 NL 075-39-43 WL
10	WITK Pittston, PA	Lic: 1550 kHz, 10 kW	41-20-45 NL 075-47-08 WL

**TABLE 1**  
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 January 2003  
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 Radio Market

Map Index Reference	Call Sign & Location	Facilities	Geographic Coordinates (° - ' - ")
11	WMGS (FM) Wilkes-Barre, PA	Lic: CH 225B, 5.3 kW	41-10-56 NL 075-52-22 WL
12	WNAK Nanticoke, PA	Lic: 730 kHz, 1 kW	41-13-10 NL 075-59-28 WL
13	WPZX (FM) Pocono Pines, PA	Lic: CH 290A, 6 kW	41-05-06 NL 075-38-09 WL
14	WQFM (FM) Nantioke, PA	Lic: CH 221A, 0.6 kW	41-11-11 NL 075-51-33 WL

**TABLE 2**  
**ENTERCOM WILKES-BARRE SCRANTON, LLC**  
 January 2003  
 Identification of 15 Commercial Aural Broadcast Stations  
 Providing Principal Community Service Within the  
 WAMT (FM), WKRZ (FM), WILK-AM and WOGY-AM  
 Radio Market

Map Index Reference	Call Sign & Location	Facilities	Geographic Coordinates (° - ' - ")
1	WARM Scranton, PA	Lic: 590 kHz, 5 kW	41-28-44 NL 075-52-51 WL
2	WBAX Wilkes-Barre, PA	Lic: 1240 kHz, 1 kW	41-15-13 NL 075-54-25 WL
3	WBHD (FM) Olyphant, PA	Lic: CH 239A, 0.6 kW	41-26-09 NL 075-43-45 WL
4	WBHT (FM) Mountain Top, PA	Lic: CH 246A, 0.5 kW	41-10-57 NL 075-52-19 WL
5	WBSX (FM) Hazleton, PA	Lic: CH 205B, 19.5 kW	41-04-55 NL 075-56-55 WL
6	WCWQ (FM) Dallas, PA	Lic: CH 229A, 1.4 kW	41-15-43 NL 075-58-04 WL
7	WEJL Scranton, PA	Lic: 630 kHz, 0.5 kW	41-24-34 NL 075-40-01 WL
8	WEZX (FM) Scranton, PA	Lic: CH 295A, 1.4 kW	41-20-52 NL 075-39-03 WL
9	WICK Scranton, PA	Lic: 1400 kHz, 1 kW	41-25-05 NL 075-39-43 WL
10	WITK Pittston, PA	Lic: 1550 kHz, 10 kW	41-20-45 NL 075-47-08 WL



**TABLE 2**  
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 Radio Market

Map Index Reference	Call Sign & Location	Facilities	Geographic Coordinates (° - ' - ")
11	WMGS (FM) Lic: CH 225B, Wilkes-Barre, PA	5.3 kW	41-10-56 NL 075-52-22 WL
12	WNAK Lic: 730 kHz, Nanticoke, PA	1 kW	41-13-10 NL 075-59-28 WL
13	WPZX (FM) Lic: CH 290A, Pocono Pines, PA	6 kW	41-05-06 NL 075-38-09 WL
14	WQFM (FM) Lic: CH 221A, Nantioke, PA	0.6 kW	41-11-11 NL 075-51-33 WL
15	WYCK Lic: 1340 kHz, Plains, PA	0.8 kW	41-15-01 NL 075-49-32 WL

**TABLE 3**  
**ENTERCOM WILKES-BARRE SCRANTON, LLC**  
 January 2003  
 Identification of 19 Commercial Aural Broadcast Stations  
 Providing Principal Community Service Within the  
 WDMT (FM), WKRZ (FM), WGGY (FM), WILK-AM and WGBI-AM  
 Radio Market

Map Index Reference	Call Sign & Location	Facilities	Geographic Coordinates (° - ' - ")
1	WAAT Olyphant, PA	Lic: 759 kHz, 1.6 kW	41-28-34 NL 075-29-41 WL
2	WARM Scranton, PA	Lic: 590 kHz, 5 kW	41-28-44 NL 075-52-51 WL
3	WBAX Wilkes-Barre, PA	Lic: 1240 kHz, 1 kW	41-15-13 NL 075-54-25 WL
4	WBHD (FM) Olyphant, PA	Lic: CH 239A, 0.6 kW	41-26-09 NL 075-43-45 WL
5	WBHT (FM) Mountain Top, PA	Lic: CH 246A, 0.5 kW	41-10-57 NL 075-52-19 WL
6	WBSX (FM) Hazleton, PA	Lic: CH 205B, 19.5 kW	41-04-55 NL 075-56-55 WL
7	WCWQ (FM) Dallas, PA	Lic: CH 229A, 1.4 kW	41-15-43 NL 075-58-04 WL
8	WCWY (FM) Tunkhannock, PA	Lic: CH 299A, 0.2 kW	41-31-29 NL 076-04-13 WL
9	WEJL Scranton, PA	Lic: 630 kHz, 0.5 kW	41-24-34 NL 075-40-01 WL
10	WEMR Tunkhannock, PA	Lic: 1460 kHz, 5 kW	41-33-46 NL 075-58-11 WL

**TABLE 3**  
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 Radio Market

Map Index Reference	Call Sign & Location	Facilities	Geographic Coordinates (° - ' - ")
11	WEZX (FM) Scranton, PA	Lic: CH 295A, 1.4 kW	41-20-52 NL 075-39-03 WL
12	WICK Scranton, PA	Lic: 1400 kHz, 1 kW	41-25-05 NL 075-39-43 WL
13	WITK Pittston, PA	Lic: 1550 kHz, 10 kW	41-20-45 NL 075-47-08 WL
14	WMGS (FM) Wilkes-Barre, PA	Lic: CH 225B, 5.3 kW	41-10-56 NL 075-52-22 WL
15	WNAK Nanticoke, PA	Lic: 730 kHz, 1 kW	41-13-10 NL 075-59-28 WL
16	WPZX (FM) Pocono Pines, PA	Lic: CH 290A, 6 kW	41-05-06 NL 075-38-09 WL
17	WQFM (FM) Nantioke, PA	Lic: CH 221A, 0.6 kW	41-11-11 NL 075-51-33 WL
18	WWDL-FM Scranton, PA	Lic: CH 285A, 0.2 kW	41-26-06 NL 075-43-35 WL
19	WYCK Plains, PA	Lic: 1340 kHz, 0.8 kW	41-15-01 NL 075-49-32 WL

**TABLE 4**  
**ENTERCOM WILKES-BARRE SCRANTON, LLC**  
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 WAMT (FM), WKRZ (FM), WGGY (FM) and WILK-AM  
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1	WAAT Olyphant, PA	Lic: 759 kHz, 1.6 kW	41-28-34 NL 075-29-41 WL
2	WARM Scranton, PA	Lic: 590 kHz, 5 kW	41-28-44 NL 075-52-51 WL
3	WBAX Wilkes-Barre, PA	Lic: 1240 kHz, 1 kW	41-15-13 NL 075-54-25 WL
4	WBHD (FM) Olyphant, PA	Lic: CH 239A, 0.6 kW	41-26-09 NL 075-43-45 WL
5	WBHT (FM) Mountain Top, PA	Lic: CH 246A, 0.5 kW	41-10-57 NL 075-52-19 WL
6	WBSX (FM) Hazleton, PA	Lic: CH 205B, 19.5 kW	41-04-55 NL 075-56-55 WL
7	WCWQ (FM) Dallas, PA	Lic: CH 229A, 1.4 kW	41-15-43 NL 075-58-04 WL
8	WCWY (FM) Tunkhannock, PA	Lic: CH 299A, 0.2 kW	41-31-29 NL 076-04-13 WL
9	WEJL Scranton, PA	Lic: 630 kHz, 0.5 kW	41-24-34 NL 075-40-01 WL
10	WEMR Tunkhannock, PA	Lic: 1460 kHz, 5 kW	41-33-46 NL 075-58-11 WL

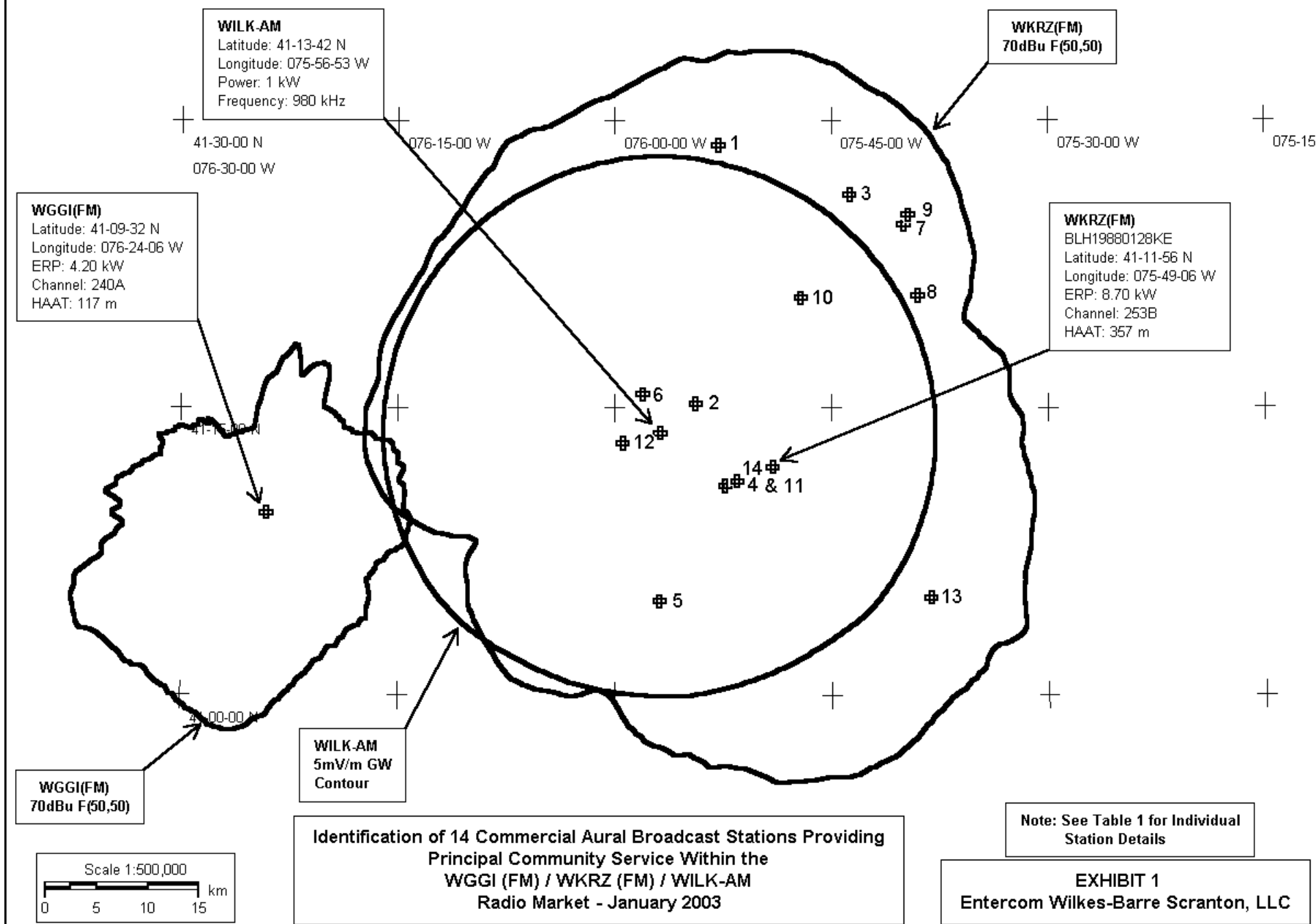
**TABLE 4**  
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14	WMGS (FM) Wilkes-Barre, PA	Lic: CH 225B, 5.3 kW	41-10-56 NL 075-52-22 WL
15	WNAK Nanticoke, PA	Lic: 730 kHz, 1 kW	41-13-10 NL 075-59-28 WL
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17	WQFM (FM) Nantioke, PA	Lic: CH 221A, 0.6 kW	41-11-11 NL 075-51-33 WL
18	WWDL-FM Scranton, PA	Lic: CH 285A, 0.2 kW	41-26-06 NL 075-43-35 WL
19	WYCK Plains, PA	Lic: 1340 kHz, 0.8 kW	41-15-01 NL 075-49-32 WL

**TABLE 5**  
**ENTERCOM WILKES-BARRE SCRANTON, LLC**  
 January 2003  
 Identification of Entercom Wilkes-Barre Scranton, LLC  
 Commonly Owned Commercial Aural Broadcast Stations

SUBJECT STATION REFERENCE TABLE FOR EXHIBITS 1 THROUGH 5

Call Sign & Location	Facilities	Geographic Coordinates (° - ' - ")
WAMT (FM) Freeland, PA	Lic: CH 276A, 0.73 kW 207 m HAAT	41-01-06 NL 075-54-28 WL
WDMT (FM) Pittston, PA	Lic: CH 272A, 5.8 kW 22 m HAAT	41-18-20 NL 075-45-38 WL
WGBI Scranton, PA	Lic: 910 kHz, 1 kW	41-25-56 NL 075-41-51 WL
WGGI (FM) Benton, PA	App: CH 240A, 4.2 kW 117 m HAAT	41-09-32 NL 076-24-06 WL
WGGY (FM) Scranton, PA	App: CH 267B, 7 kW 365 m HAAT	41-25-38 NL 075-44-53 WL
WILK Wilkes-Barre, PA	Lic: 980 kHz, 5 kW	41-13-42 NL 075-56-53 WL
WKRZ (FM) Wilkes-Barre, PA	Lic: CH 253B, 8.7 kW 357 m HAAT	41-11-56 NL 075-49-06 WL
WOGY West Hazleton, PA	Lic: 1300 kHz, 5 kW	40-56-26 NL 076-00-07 WL
WKRF (FM) Tobyhanna, PA	Lic: CH 300A, 0.84 kW 267 m HAAT	41-31-29 NL 075-22-38 WL



M.D. Hadfield - January 2003

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**WILK-AM**

Latitude: 41-13-42 N  
Longitude: 075-56-53 W  
Power: 1 kW  
Frequency: 980 kHz

**WKRZ(FM)  
70dBu F(50,50)**

**WKRZ(FM)**  
BLH19880128KE  
Latitude: 41-11-56 N  
Longitude: 075-49-06 W  
ERP: 8.70 kW  
Channel: 253B  
HAAT: 357 m

**WILK-AM  
5mV/m GW  
Contour**

**WAMT(FM)  
70dBu F(50,50)**

**WOGY-AM  
5mV/m GW  
Contour**

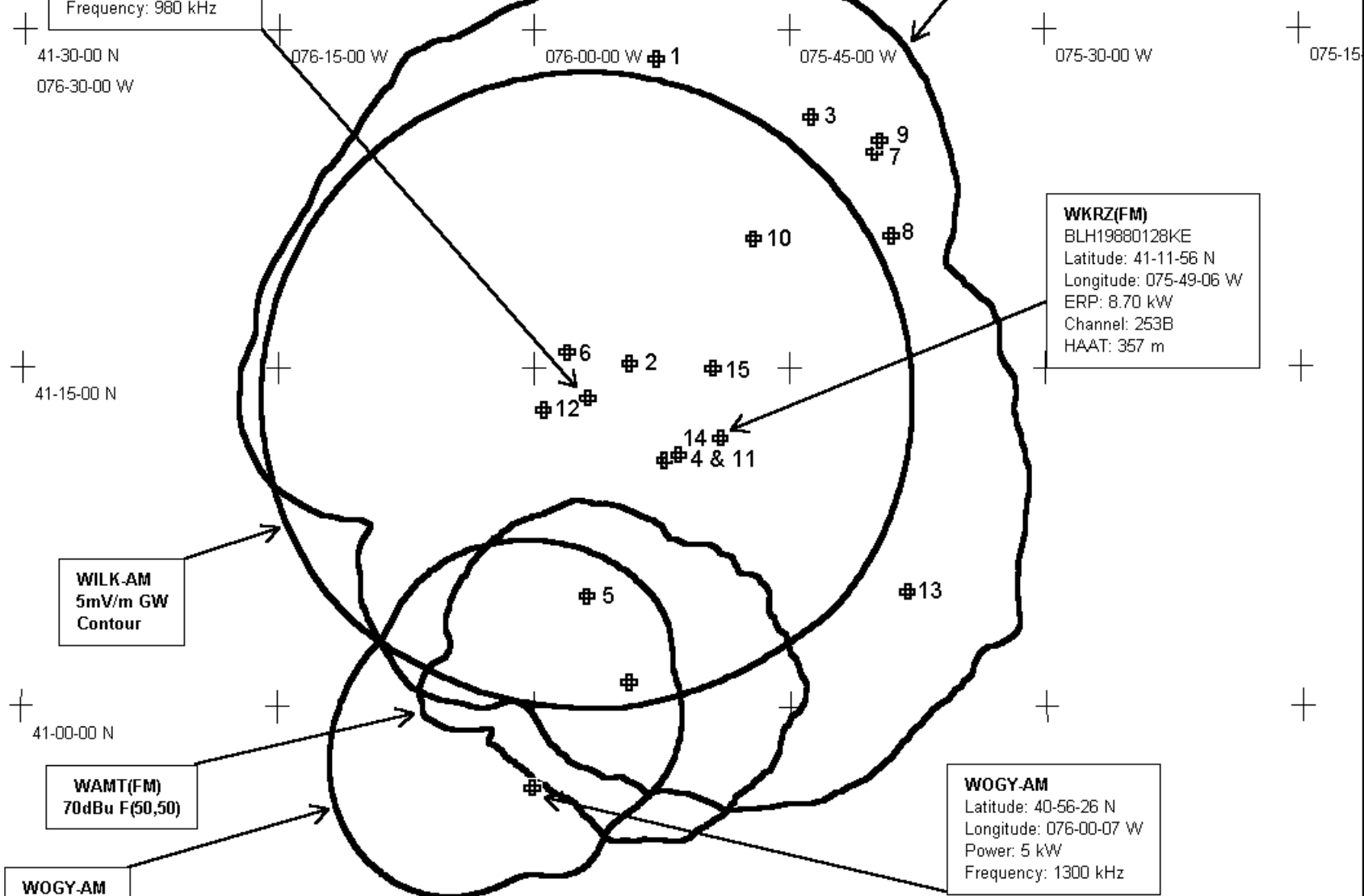
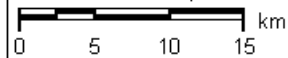
**WOGY-AM**  
Latitude: 40-56-26 N  
Longitude: 076-00-07 W  
Power: 5 kW  
Frequency: 1300 kHz

**Note: See Table 2 for Individual  
Station Details**

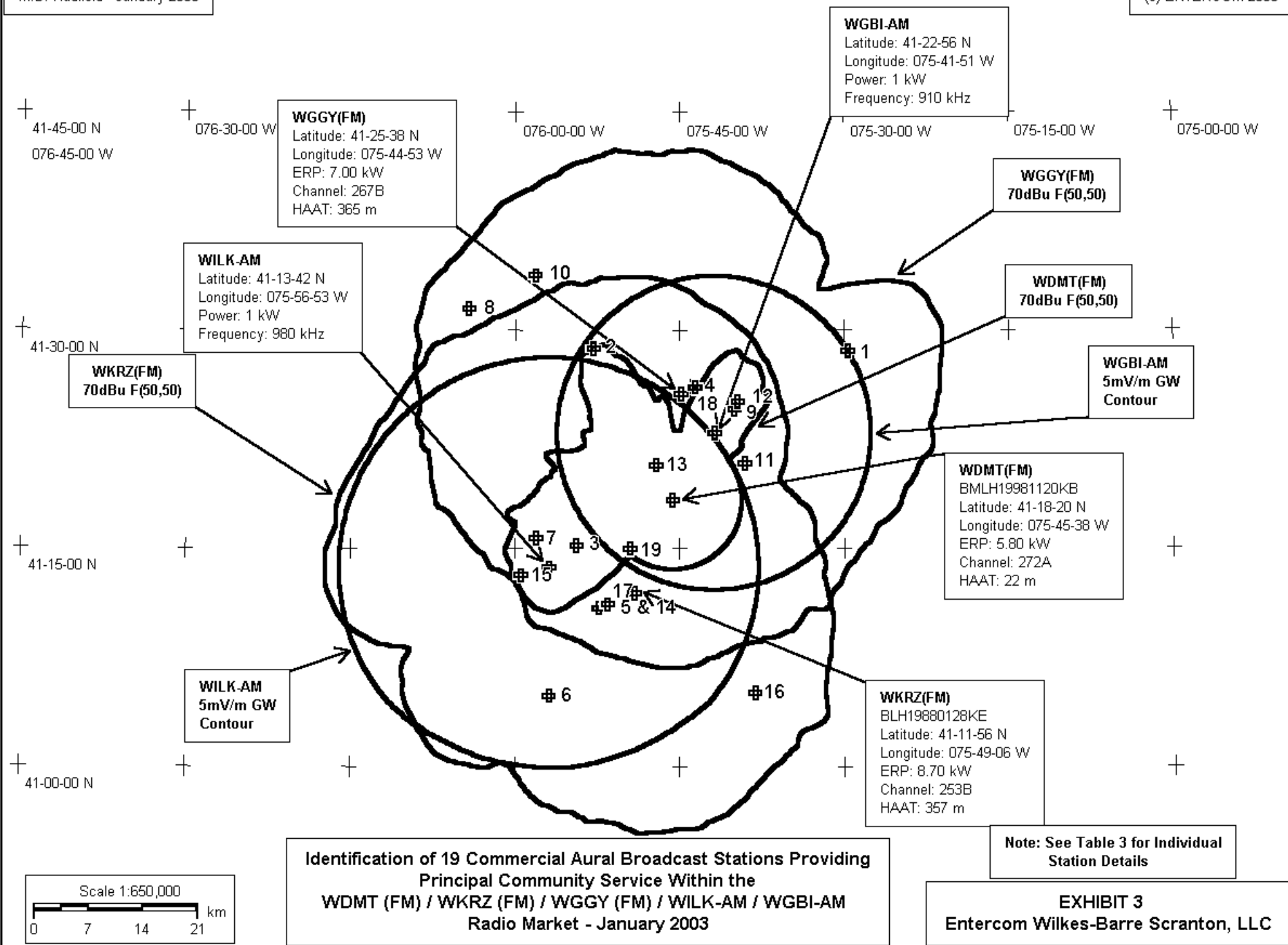
**Identification of 15 Commercial Aural Broadcast Stations Providing  
Principal Community Service Within the  
WAMT (FM) / WKRZ (FM) / WILK-AM / WOGY-AM  
Radio Market - January 2003**

**EXHIBIT 2  
Entercom Wilkes-Barre Scranton, LLC**

Scale 1:500,000







M.D. Hadfield - January 2003

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