

**EXHIBIT E-2**

This exhibit contains the data obtained by a study of interference from the proposed facility to other existing or proposed standard television stations, digital television stations or digital television allocations.

The first sheet shows a tabulation of those stations that would have received interference from the allocated facilities for WNPX-DT. The second study then shows the interference to other facilities from the proposed facilities for WNPX-DT. In reality this study was done assuming an effective radiated power of 1 MW with the directional antenna as proposed in the application. A total of 9 such stations were involved. Of those 9 stations, 4 stations were digital television facilities.

A study was then performed on each of those stations to determine if the interference caused by the proposed WNPX-DT would exceed the *de minimus* values. In every case, it was determined that the new interference which would be caused by the proposed facilities for WNPX-DT would not increase the interference to any station by more than 2%, nor would the total interference received by any station be caused to increase beyond a total of 10%. Therefore, the proposed facility complies with the Commission's criteria.

WNPX-DT Allocation Outgoing Interference

WKZX-D (36) COOKEVILLE, TN

TV Outgoing Interference Study

Signal Resolution: 1.5 km

Consider NTSC Taboo: Yes

KWX error points are considered to  
be interference free coverage.

Masked interference points are being counted  
as interference free.

Study Date: 7/31/00

Stations which receive interference:

Call Letters	H Units	Population	Area (sq. km)
WTVQTV	63	154	10.92
WTVC-D	193	508	13.38

Totals for WKZX-D

Total population to which interference is caused: 662

Total number of housing units to which interference is caused: 256

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	Housing Units	Population
Tennessee		
Van Buren County		
WTVC-D	18	48
Warren County		
WTVC-D	175	460

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	Housing Units	Population
Kentucky		
Lincoln County		
WTVQTV	63	154

Proposed WNPX-DT Outgoing Interference  
To Other Stations and Allocations

WNPX-D.A (36) Cookeville, TN  
TV Outgoing Interference Study  
Signal Resolution: 1.5 km  
Consider NTSC Taboo: Yes  
KWX error points are considered to  
be interference free coverage.  
Masked interference points are being  
counted as interference.

Study Date: 7/31/00

Stations which receive interference:

Call Letters	H Units	Population	Area (sq. km)
WFIQ	888	2353	164.98
WATL	131	346	18.19
WTVQTV	2373	5254	132.60
WCTE	1194	2611	59.82
WHTN	2057	4556	79.84
WABM-D	479	1191	22.75
WTWO-D	48	145	15.07
WKMU-D	875	2114	123.44
WTVC-D	296	740	40.17

Totals for WNPX-D.A

Total population to which interference is caused: 19310

Total number of housing units to which interference is caused: 8341

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	Housing Units	Population
Georgia		
Bartow County		
WATL	37	91
Floyd County		
WATL	70	200
Haralson County		
WATL	24	55

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	Housing Units	Population
Alabama		
Blount County		
WABM-D	133	342
Colbert County		
WFIQ	8	19
Cullman County		
WABM-D	346	849
Lauderdale County		

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WFIQ	52	117
Lawrence County		
WFIQ	491	1,349
Morgan County		
WFIQ	286	756

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	Housing Units	Population
Mississippi		
Tishomingo County		
WFIQ	5	8

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	Housing Units	Population
Tennessee		
Benton County		
WKMU-D	9	20
Carroll County		
WKMU-D	14	24
DeKalb County		
WHTN	695	1,512
Hardin County		
WFIQ	12	24
Henry County		
WKMU-D	82	203
Jackson County		
WHTN	10	22
Macon County		
WHTN	2	3
Putnam County		
WHTN	19	41
Smith County		
WCTE	1,138	2,477
WHTN	1,331	2,978
Stewart County		
WKMU-D	150	409
Trousdale County		
WCTE	11	21
Van Buren County		
WTVC-D	77	200
Warren County		
WTVC-D	219	540
Wayne County		
WFIQ	34	80
Wilson County		
WCTE	45	113

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	Housing Units	Population
Kentucky		
Anderson County		
WTVQTV	4	7
Caldwell County		
WKMU-D	5	11
Lincoln County		
WTVQTV	168	431
Lyon County		
WKMU-D	48	88
Marion County		
WTVQTV	7	17
Nelson County		
WTVQTV	9	25
Rockcastle County		
WTVQTV	40	109
Shelby County		
WTVQTV	1,915	4,075
Spencer County		
WTVQTV	23	65
Trigg County		
WKMU-D	562	1,345
Washington County		
WTVQTV	207	525

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	Housing Units	Population
Illinois		
Pope County		
WKMU-D	5	14

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	Housing Units	Population
Adams County		
Gibson County		
WTWO-D	16	38
Lawrence County		
WTWO-D	32	107