

## Engineering Statement

### In Support of an Application for a Construction Permit

#### WTWR, Luna Pier, MI Channel 252A

#### WTWR Channel Spacing Study

REFERENCE		DISPLAY DATES
41 40 05 N	CLASS = A	DATA 10-09-02
83 27 11 W	Current Spacings	SEARCH 10-11-02
----- Channel 252 - 98.3 MHz -----		

Call	Channel	Location		Dist	Azi	FCC	Margin
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	<b>Community of Luna Pier</b>	<b>MI</b>	<b>15.45</b>	<b>3.3</b>			
	Reference Coordinates:						
	North Latitude: 41-48-25						
	West Longitude: 83-26-32						

<b>RADD</b>	<b>ADD 252A</b>	<b>Luna Pier</b>	<b>MI</b>	<b>19.68</b>	<b>359.9</b>	<b>115.0</b>	<b>-95.32</b>
<b>RDEL</b>	<b>DEL 252A</b>	<b>Monroe</b>	<b>MI</b>	<b>19.68</b>	<b>359.9</b>	<b>115.0</b>	<b>-95.32</b>
<b>WTWRFM</b>	<b>LIC 252A</b>	<b>Monroe</b>	<b>MI</b>	<b>19.71</b>	<b>356.8</b>	<b>115.0</b>	<b>-95.29</b>
	Of no concern:						
	Coordinates of instant facility						

<b>WDFM</b>	<b>LIC 251B</b>	<b>Defiance</b>	<b>OH</b>	<b>99.83</b>	<b>245.5</b>	<b>113.0</b>	<b>-13.17</b>
	Of concern:						
	Protection afforded under §73.215						
	(Existing contour overlap not increased)						

WVMV	LIC 254B	Detroit	MI	84.57	17.1	69.0	15.57
WJLB	LIC 250B	Detroit	MI	86.70	18.8	69.0	17.70
ALLO	252	Sarnia	ON	168.99	30.6	151.0	17.99
WNWNFM	LIC 253B	Coldwater	MI	135.34	289.2	113.0	22.34
WWBK	LIC 252A	Fredericktown	OH	145.13	146.6	115.0	30.13
WWBK.A	APP 252A	Fredericktown	OH	146.24	145.5	115.0	31.24
WPKOFM	LIC 252A	Bellefontaine	OH	146.29	189.3	115.0	31.29
WGGN	LIC 249A	Castalia	OH	62.87	118.5	31.0	31.87
WNCX	LIC 253B	Cleveland	OH	147.56	103.7	113.0	34.56
WWBK.A	APP 252A	Fredericktown	OH	157.45	146.9	115.0	42.45