

The purpose of this experimental station will be to demonstrate what the effects of what an LPAM station will have to the AM broadcast band, using the model that is drawn out in the current petition [RM-11287], for a proposed LPAM service.

It will be shown that such a station operating into a 50 foot tall, 27-degree antenna with 4, 50 foot ground radials, with a transmitter carrier power of 20 watts, will not cause any significant increase in interference to analog or digital high powered stations at night or during daylight hours. The frequency of 1700 khz was chosen at this location, due to factors that the experimental station would not cause interference to on channel and adjacent channel stations. The list below shows what on channel and co-channel stations were taken into consideration for this Part 5 station.

Potential Nighttime Station Factors

Call	Frequency	City	Distance
WHKT	1650	PORTSMOUTH	697.6
WHKT	1650	PORTSMOUTH	697.6
NEW	1650	CINCINNATI	892.6
NEW	1650	CINCINNATI	892.6
	1650	TORONTO	349.8
	1650	TORONTO	349.8
CHALOM	1650	MONTREAL	293.0
CHALOM	1650	MONTREAL	293.0
NEW	1650	BRAMPTON	394.3
NEW	1650	BRAMPTON	394.3
NEW	1650	MISSISSAUGA	378.6
NEW	1650	MISSISSAUGA	378.6
NEW	1650	BRAMPTON	394.3
NEW	1650	BRAMPTON	394.3
WD2XAM	1660	CINCINNATI	892.6
WQSN	1660	KALAMAZOO	868.4
WQSN	1660	KALAMAZOO	868.4
WWRU	1660	JERSEY CITY	256.7
WWRU	1660	JERSEY CITY	256.7
WFNA	1660	CHARLOTTE	998.1
WFNA	1660	CHARLOTTE	998.1
WWRU	1660	JERSEY CITY	256.7
WWRU	1660	JERSEY CITY	256.7

NEW	1670	GATINEAU	282.0
NEW	1670	GATINEAU	282.0
WJNZ	1680	ADA	849.5
WJNZ	1680	ADA	849.5
WTTM	1680	LINDENWOLD	347.1
WTTM	1680	LINDENWOLD	347.1
WPTX	1690	LEXINGTON PARK	540.7
WPTX	1690	LEXINGTON PARK	540.7
TORON	1690	TORONTO	352.2
TORON	1690	TORONTO	352.2
MON2	1690	MONTREAL	293.0
MON2	1690	MONTREAL	293.0

Full Power AM Stations Considered

Call	Frequency	City	Distance
970616AG	1620	TOMS RIVER	350.0
WJNZ	1680	ADA	849.5
WETT	1590	OCEAN CITY	511.9
WCPK	1600	CHESAPEAKE	697.6
WHKT	1650	PORTSMOUTH	697.6
WD2XAM	1660	CINCINNATI	892.6
970616AG	1620	TOMS RIVER	350.0
WJNZ	1680	ADA	849.5
WETT	1590	OCEAN CITY	511.9
WCPK	1600	CHESAPEAKE	697.6
WHKT	1650	PORTSMOUTH	697.6
WJRO	1590	GLEN BURNIE	446.2
WJRO	1590	GLEN BURNIE	446.2
WTVB	1590	COLDWATER	828.6
WTVB	1590	COLDWATER	828.6
WHYT	1590	MARINE CITY	611.8
WHYT	1590	MARINE CITY	611.8
WSMN	1590	NASHUA	291.2
WAUB	1590	AUBURN	127.8
WAUB	1590	AUBURN	127.8
WASB	1590	BROCKPORT	237.5
WASB	1590	BROCKPORT	237.5
WGGO	1590	SALAMANCA	313.1
WGGO	1590	SALAMANCA	313.1
WHPY	1590	CLAYTON	870.6
WHPY	1590	CLAYTON	870.6

WAKR	1590	AKRON	579.2
WAKR	1590	AKRON	579.2
WSRW	1590	HILLSBORO	836.8
WSRW	1590	HILLSBORO	836.8
WCBG	1590	CHAMBERSBURG	408.8
WCBG	1590	CHAMBERSBURG	408.8
WARV	1590	WARWICK	327.7
WARV	1590	WARWICK	327.7
WFTH	1590	RICHMOND	645.6
WFTH	1590	RICHMOND	645.6
WUNR	1600	BROOKLINE	326.2
WPNT	1600	EAST LONGMEADOW	231.8
WAAM	1600	ANN ARBOR	715.1
WAAM	1600	ANN ARBOR	715.1
WMCR	1600	ONEIDA	53.5
WMCR	1600	ONEIDA	53.5
WBLY	1600	SPRINGFIELD	811.7
WBLY	1600	SPRINGFIELD	811.7
WTTF	1600	TIFFIN	709.4
WTTF	1600	TIFFIN	709.4
WHOL	1600	ALLENTOWN	271.4
WHOL	1600	ALLENTOWN	271.4
WBFD	1600	BEDFORD	440.8
WBFD	1600	BEDFORD	440.8
WPDC	1600	ELIZABETHTOWN	341.2
WPDC	1600	ELIZABETHTOWN	341.2
WJSA	1600	JERSEY SHORE	270.6
WJSA	1600	JERSEY SHORE	270.6
WXMY	1600	SALTVILLE	890.3
WZZW	1600	MILTON	784.4
WZZW	1600	MILTON	784.4
WOHZ	1600	WHEELING	573.0
WOHZ	1600	WHEELING	573.0
NEW	1600	CORNWALL	222.4
CFOS	1610	COLLINGWOOD	444.6
CFOS	1610	COLLINGWOOD	444.6
CHNR	1600	SIMCOE	427.7
CHNR	1600	SIMCOE	427.7
WQVL	1600	DOVER	429.0
WQVL	1600	DOVER	429.0
WPSN	1590	HONESDALE	163.0
WPTX	1690	LEXINGTON PARK	540.7

WPTX	1690	LEXINGTON PARK	540.7
WWCC	1590	HONESDALE	163.0
WQSN	1660	KALAMAZOO	868.4
WQSN	1660	KALAMAZOO	868.4
NEW	1650	CINCINNATI	892.6
NEW	1650	CINCINNATI	892.6
	1610	MONTREAL	306.1
	1610	MONTREAL	306.1
WWRL	1600	NEW YORK	259.6
WWRL	1600	NEW YORK	259.6
WOKX	1590	HIGH POINT	892.1
WOKX	1590	HIGH POINT	892.1
WKDM	1600	ROCKVILLE	469.5
WKDM	1600	ROCKVILLE	469.5
WUNR	1600	BROOKLINE	326.2
WUNR	1600	BROOKLINE	326.2
WPWA	1590	CHESTER	349.9
WPWA	1590	CHESTER	349.9
	1610	TORONTO	365.2
	1610	TORONTO	365.2
	1650	TORONTO	349.8
	1650	TORONTO	349.8
WEHH	1600	ELMIRA HTS-HORSEHDS	175.7
WEHH	1600	ELMIRA HTS-HORSEHDS	175.7
WWRU	1660	JERSEY CITY	256.7
WWRU	1660	JERSEY CITY	256.7
NEW	1590	BIG RAPIDS	849.3
NEW	1590	BIG RAPIDS	849.3
NEW	1600	BOYNE FALLS	826.1
NEW	1600	BOYNE FALLS	826.1
NEW	1600	ELK RAPIDS	858.5
NEW	1600	ELK RAPIDS	858.5
NEW	1600	MANCERLONA	831.0
NEW	1600	MANCERLONA	831.0
NEW	1600	HARBOR SPRINGS	839.2
NEW	1600	HARBOR SPRINGS	839.2
NEW	1600	HALIFAX	767.7
NEW	1600	HALIFAX	767.7
WAAM	1600	OAK PARK	671.3
WAAM	1600	OAK PARK	671.3
NEW	1590	WINOOSKI	221.6
NEW	1590	WINOOSKI	221.6

NEW	1600	ADA	851.3
NEW	1600	ADA	851.3
NEW	1600	CHARLOTTESVILLE	622.7
NEW	1600	CHARLOTTESVILLE	622.7
NEW	1590	ESSEX JUNCTION	224.2
NEW	1590	ESSEX JUNCTION	224.2
WKEN	1600	DOVER	428.9
WKEN	1600	DOVER	428.9
970616AG	1620	TOMS RIVER	350.0
970616AG	1620	TOMS RIVER	350.0
WHJB	1600	BEDFORD	438.5
WHJB	1600	BEDFORD	438.5
CHHA	1610	TORONTO	365.7
CHHA	1610	TORONTO	365.7
NEW	1590	KEARSARGE	431.0
NEW	1590	KEARSARGE	431.0
TORON	1690	TORONTO	352.2
TORON	1690	TORONTO	352.2
MON2	1690	MONTREAL	293.0
MON2	1690	MONTREAL	293.0
WPDC	1600	ELIZABETHTOWN	341.4
WPDC	1600	ELIZABETHTOWN	341.4
WTTM	1680	LINDENWOLD	347.1
WTTM	1680	LINDENWOLD	347.1
CHALOM	1650	MONTREAL	293.0
CHALOM	1650	MONTREAL	293.0
WZUM	1590	CARNEGIE	508.6
WZUM	1590	CARNEGIE	508.6
WWRU	1660	JERSEY CITY	256.7
WWRU	1660	JERSEY CITY	256.7
NEW	1650	BRAMPTON	394.3
NEW	1650	BRAMPTON	394.3
CHHA	1610	TORONTO	355.3
CHHA	1610	TORONTO	355.3
NEW	1650	MISSISSAUGA	378.6
NEW	1650	MISSISSAUGA	378.6
NEW	1650	BRAMPTON	394.3
NEW	1650	BRAMPTON	394.3
NEW	1670	GATINEAU	282.0
NEW	1670	GATINEAU	282.0
WHGT	1590	CHAMBERSBURG	417.3
WHGT	1590	CHAMBERSBURG	417.3

WAAM	1600	OAK PARK	671.3
WAAM	1600	OAK PARK	671.3
WPSN	1590	HONESDALE	163.0
WXMY	1600	SALTVILLE	890.9
WXMY	1600	SALTVILLE	890.9
WXMY	1600	SALTVILLE	890.9

Traveler's Information Stations (TIS) Considered

Call	Frequency	City	Distance
WQCY929	1610	Cooperstown	37.3

International Considerations

Location is 159.9 km away from Canada.