

TECHNICAL EXHIBITS 30 & 33
INTERFERENCE AND SEPARATION REQUIREMENTS

IN SUPPORT OF A MINOR CHANGE APPLICATION
WRAT(FM), POINT PLEASANT, NEW JERSEY
SEPTEMBER 2015

The attached Table I and Table II show the distances¹ from the existing licensed and proposed antenna sites, respectively to pertinent existing and/or proposed FM stations on Channel 240 and ± 3 and 53/54 channels from the licensed and proposed WRAT(FM) operations. Tables I and II indicate the existing licensed and proposed antenna sites meet the minimum distance requirements of Section 73.207 of the Commission’s rules to all FM stations with the exception of the “grandfathered short-spaced stations.”

Table II also indicates the actual distance separation from the proposed WRAT(FM) antenna site to pertinent stations are unchanged or slightly increased when compared to the existing licensed antenna site.

¹ Distances rounded to nearest kilometer.

TABLE I
FM ALLOCATION SITUATION
FOR THE LICENSED CHANNEL 240A OPERATION OF
WRAT(FM), POINT PLEASANT, NEW JERSEY
SEPTEMBER 2015

<u>CHANNEL</u>	<u>CALL</u>	<u>CITY/ STATE</u>	<u>GEOGRAPHIC COORDINATES</u>	<u>DISTANCE</u>	
				<u>ACTUAL</u> km	<u>REQUIRED</u> km
240A	WRAT	Point Pleasant, NJ	N 40-10-15 ² W 74-01-42	--	--
238B	WPLJ	New York, NY	N 40-44-54 W 73-59-10	64 ³	69
239B	WBEN-FM	Philadelphia, PA	N 40-02-21 W 75-14-13	104 ⁴	113
240A	WFOX	Norwalk, CT	N 41-06-54 W 73-26-06	116	115
241B	WCTO	Easton, PA	N 40-35-55 W 75-25-12	127	113
242B	WXNY-FM	New York, NY	N 40-44-54 W 73-59-10	64 ⁵	69
243B	WZMP(FM) Lic.	Philadelphia, PA	N 40-02-30 W 75-14-11	104	69
294B	WLTW(FM) Lic.	New York, NY	N 40-44-54 W 73-59-10	64	15

² Existing/Authorized Antenna Site

³ 73.213 Grandfathered Short-spaced Station

⁴ 73.213 Grandfathered Short-spaced Station

⁵ 73.213 Grandfathered Short-spaced Station

TABLE II
FM ALLOCATION SITUATION
FOR THE PROPOSED CHANNEL 240A OPERATION OF
WRAT(FM), POINT PLEASANT, NEW JERSEY
SEPTEMBER 2015

<u>CHANNEL</u>	<u>CALL</u>	<u>CITY/ STATE</u>	<u>GEOGRAPHIC COORDINATES</u>	<u>DISTANCE</u>	
				<u>ACTUAL</u> km	<u>REQUIRED</u> km
240A	WRAT	Point Pleasant, NJ	N 40-09-57 ⁶ W 74-01-56	--	--
238B	WPLJ	New York, NY	N 40-44-54 W 73-59-10	65 ⁷	69
239B	WBEN-FM	Philadelphia, PA	N 40-02-21 W 75-14-13	104 ⁸	113
240A	WFOX	Norwalk, CT	N 41-06-54 W 73-26-06	117	115
241B	WCTO	Easton, PA	N 40-35-55 W 75-25-12	127	113
242B	WXNY-FM	New York, NY	N 40-44-54 W 73-59-10	65 ⁹	69
243B	WZMP(FM)	Philadelphia, PA	N 40-02-30 W 75-14-11	104	69
294B	WLTW(FM)	New York, NY	N 40-44-54 W 73-59-10	65	15

⁶ Proposed Antenna Site

⁷ 73.213 Grandfathered Short-spaced Station

⁸ 73.213 Grandfathered Short-spaced Station

⁹ 73.213 Grandfathered Short-spaced Station