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ENGINEERING REPORT

Flanders, NY, Channel 233D FM Translator Application

ENGINEERING STATEMENT

Juan Alberto Ayala ("Applicant") submits this Long-form application that covers the Auction 83 pending short-form application for a new FM translator station at Flanders, NY. The pending application file number is BNPFT-20030317HGJ.

There are no tech box changes being made by this long-form application.

CHANNEL STUDY

Attached as Figure EE1 is a channel study for the proposed channel 233D facility. All required protections are met by contour non-overlap pursuant to Section 74.1204.

CONTOUR OVERLAP SHOWING

The service and interference contour distances that are listed on Figure EE1 use the worst-case (greatest) distance along any bearing for each facility, and also considers each protected station as omni-directional. No contour overlap using this worst-case test means no possible contour overlap when applying Section 73.313 methodology.

Figure EE2, attached, shows non-overlap between the service contour of W233AI and the interference contour of the proposed channel 233D facility. All contours were determined pursuant to Section 73.313 of the FCC Rules using a USGS 30 arc-second terrain database at one-degree radial intervals. The Applicant accepts any interference that is predicted to be caused to the proposed facility from W233AI.

SECTION 74.1204 CHANNEL STUDY**PROJECT: FLANDERS,NY, 233D FROM PROPOSED SITE****STUDY COORDINATES: N 40-52-54.0; W 72-38-16.0(N D-M-S; W D-M-S)**

Call Docket	Channel FacilityID	Class Service	Frequency ERP	Status DA?	City HAAT	State RCAMSL	Country RCAGL	File Number
Latitude	Longitude			ASRN	Dist(km)	Dist(mi)	Azimuth	

NEW 231 D FX 94.1 MHz APP SOUTHAMPTON NY US BNPFT-20030314BYS
 - 140333 0.25 kW DA 0. m 100. m 85. m
 N 40 53 58.00 W 72 23 6.00 1003630 21.39 km 13.29 mi 84.60°
 AMFM RADIO LICENSES, L.L.C.

Note: The Applicant's Short-form application was amended on July 12, 2013 (a change to 233D) in order to remove the MX with this FMT Auction 83 pending application (of MX Group 363). The Applicant's now 233D proposal is unchanged by its Long-form filing to cover and protection to and from this 231D facility continues to exist.

WYBC-FM 232 A FM 94.3 MHz LIC NEW HAVEN CT US BLH-20010918AAT
 - 74322 3. kW DA 144. m 215. m 79. m
 N 41 20 59.00 W 72 58 23.00 1045133 59.12 km 36.73 mi 331.76°
 YALE BROADCASTING COMPANY, INC.
Protected Contour Dist: 34.0 km Prop 233D Interf Contour Dist: 10.3 km
Result: 14.8 km CLEAR (WORST-CAST STUDY)

WWSK 232 A FM 94.3 MHz LIC SMITHTOWN NY US BLH-20011127AAK
 - 29260 2.6 kW 96. m 125. m 95. m
 N 40 48 8.00 W 73 17 12.00 1056734 55.43 km 34.44 mi 261.02°
 CONNOISSEUR MEDIA LICENSES, LLC
Protected Contour Dist: 25.4 km Prop 233D Interf Contour Dist: 10.3 km
Result: 19.7 km CLEAR (WORST-CAST STUDY)

W233AJ 233 D FX 94.5 MHz LIC OLD SAYBROOK CT US BLFT-19981203TF
 - 83375 0.038 kW 40. m 68. m 19. m
 N 41 18 35.00 W 72 23 51.00 - 51.65 km 32.09 mi 22.85°
 TOWN OF MONROE, CONNECTICUT
Protected Contour Dist: 6.6 km Prop 233D Interf Contour Dist: 24.1 km
Result: 20.9 km CLEAR (WORST-CAST STUDY)

W233AI 233 D FX 94.5 MHz LIC SAG HARBOR NY US BLFT-20000202ABN
 - 83374 0.027 kW 48. m 96. m 34. m
 N 40 58 19.00 W 72 20 54.00 - 26.36 km 16.38 mi 67.47°
 TOWN OF MONROE, CONNECTICUT
Protected Contour Dist: 7.3 km Prop 233D Interf Contour Dist: 24.1 km
Result: -5.0 km SHORT (WORST-CAST STUDY); See Contour Non-overlap Showing

NEW 233 D FX 94.5 MHz APP FLANDERS NY US BNPFT-20030317HGJ
 - 156311 0.08 kW DA 0. m 59. m 40. m
 N 40 52 54.00 W 72 38 16.00 1007030 0.00 km 0.00 mi 0.00°
 JUAN ALBERTO AYALA

NOTE: THIS IS THE AUCTION 83 SHORT-FORM APPLICATION THAT IS BEING COVERED BY THIS LONG-FORM APPLICATION

SECTION 74.1204 CHANNEL STUDY**PROJECT: FLANDERS, NY, 233D FROM PROPOSED SITE****STUDY COORDINATES: N 40-52-54.0; W 72-38-16.0 (N D-M-S; W D-M-S)**

Call	Channel	Class	Frequency	Status	City	State	Country	File Number
Docket	FacilityID	Service	ERP	DA?	HAAT	RCAMSL	RCAGL	
Latitude	Longitude			ASRN	Dist (km)	Dist (mi)	Azimuth	
Licensee/Permittee								
WLIX-LP	234	L1	FL 94.7 MHz	LIC	RIDGE	NY	US	BLL-20050816ABT
-	131740		0.021 kW		64.1 m	88. m	61. m	
N 40 53 50.00	W 72 54 56.00			1006717	23.47 km	14.59 mi	274.33°	
PINE BARRENS BROADCASTING								
Section 73.807(c) Requirement: 16 km (for received interf) 7.56 km CLEAR								

Study Complete

FIGURE EE2

Flanders, NY 233D Contour Non-Overlap Showing to W233AI

