

## **W264DH - #156685**

### **250 Mile Move Translator Footnote 22 Modification**

This application seeks a footnote 22 move to channel 228 at a new site.

#### **Allocation Analysis:**

An overlap study in Exhibit E-1 shows the proposed facility fully complies with §74.1204. The proposed W264DH 60 F(50-50) dBu contour is contained within the primary WHTG(AM)'s 25 mile radius.(see E2).

#### **Footnote 22 Modification:**

W264DH proposes to change channels to 228 (93.5) and relocate to a new site to provide full-time service to an area that can not receive its limited night time signal. This non-adjacent channel move that does not provide 60 dBu overlap to its licensed facility is permissible since it is within the 25 mile radius of the AM station's transmitter site pursuant to *FCC 17-14, MB Docket No. 13-249 (February 23, 2017)* at footnote 22 included below.

22 As noted in paragraph 1, supra, we wish to provide those applicants who participated in the Commission-ordered 2016 translator modification windows with maximum flexibility in providing service to their authorized communities and nearby areas. Accordingly, such an applicant may apply to further move its cross-service FM translator already relocated pursuant to the 2016 modification windows, as a minor modification application, as long as the proposed further modification complies with both the amended 47 CFR § 74.1201(g) adopted here and with the 250-mile limitation imposed in the First Report and Order in this proceeding, see AMR FNPRM, 30 FCC Rcd at 12152, para. 15.

W264DH is a 250 mile move station and the proposed site is well within 250 miles of the original W272DF CP site (see E1C).

### **Antenna System:**

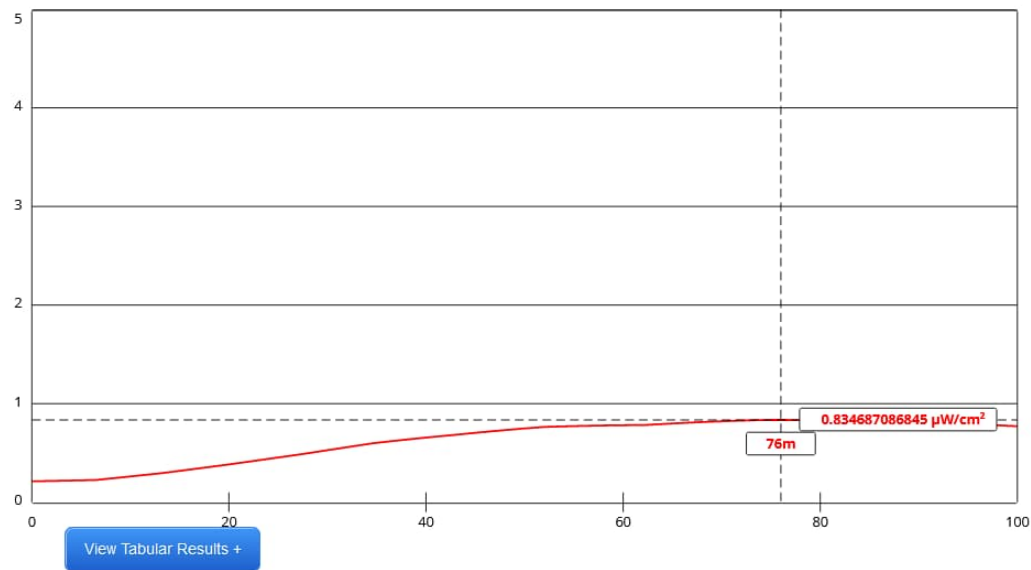
The W264DH modification to channel 228 will be located on an existing tower -ASR #1044747 at coordinates:

**39-59-51.1 N 074-10-18.9 NAD 83**

A single bay PSI FML-1 directional antenna will be mounted at 76.2 meters AGL (93.6 meters AMSL) and operate at 0.250 kW ERP.

### **RF Exposure Calculation:**

The RF contribution was calculated using FMModel (below). The RF is calculated to be  $0.83 \mu\text{W}/\text{cm}^2$  which is 0.42% and below 5% of the  $200 \mu\text{W}/\text{cm}^2$  maximum permissible for general population exposure.



Channel Selection	Channel 228 (93.5 MHz) ▾		
Antenna Type +	EPA Type 2: Opposed V Dipole ▾		
Height (m)	76.2	Distance (m)	100
ERP-H (W)	250	ERP-V (W)	250
Num of Elements	1	λ	1
Num of Points	500	Apply	

**Conclusion:**

It is concluded that the W264DH modification to channel 228 (93.5 mHz) complies with all Commission rules and policies.

August 25, 2023

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270-535-4432

## E1 Overlap Study

REFERENCE  
39 59 51.10 N.  
74 10 18.90 W.

CH# 228D - 93.5 MHz, Pwr= 0.25 kW DA, HAAT= 82.2 M, COR= 93.6 M  
Average Protected F(50-50)= 11.72 km  
Standard Directional

DISPLAY DATES  
DATA 08-25-23  
SEARCH 08-25-23

CH CITY	CALL	TYPE ANT STATE	AZI <--	DI ST FI LE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
227B Philadelphia	WMMR	LIC _CN PA	267.0 86.3	84.98 BMLH20061205ADU	39 57 09.40 75 10 03.60	16.500 264	78.5 292	66.6 Beasley Media Group	-2.1	0.6 Licens
228D New Brunswick	W228DY	LIC DVN NJ	333.1 152.9	59.84 0000153009	40 28 37.40 74 29 31.60	0.250	48.2 169	14.1 Beasley Media Group	0.7	7.1 Licens
228A New Rochelle	WVIP	LIC _CN NY	14.2 194.3	101.24 BLH201007061HW	40 52 48.40 73 52 38.50	1.750 132	75.1 156	24.9 Hudson-Westchester	14.4	36.3 Radio,
228A New Rochelle	WVIP	APP _CN NY	14.2 194.3	101.24 0000219166	40 52 48.40 73 52 38.50	1.750 132	75.1 156	24.9 Hudson-Westchester	14.4	36.3 Radio,
230B New York	WNYC-FM	LIC _CN NY	10.6 190.8	84.96 BLH20110815ADD	40 44 54.40 73 59 08.50	5.200 415	4.3 429	64.4 New York Public	69.0	19.0 Radio
226B Paterson	WPAT-FM	LIC NCN NJ	10.6 190.8	84.94 0000213080	40 44 54.00 73 59 09.00	4.800 415	4.2 429	63.6 Wpat Licensing, Inc.	69.2	19.8
231B Philadelphia	WIP-FM	LIC _CN PA	273.4 92.8	90.74 BLH20070529ADN	40 02 30.00 75 14 10.10	9.600 338	5.2 403	66.8 Audacy License, LLC	76.5	22.6
229B Wilmington	WSTW	LIC NCN DE	260.5 79.7	117.51 BMLH20100629AZK	39 48 57.40 75 31 45.70	47.100 153	81.8 211	68.2 Fm Radio Licenses, LLC	27.0	31.3
225D Burlington	W225DJ	LIC DCN NJ	280.4 100.0	53.76 BLFT20190521AAP	40 04 58.20 74 47 37.20	0.240	1.1 64	7.4 Ritmo Broadcasting, LLC	43.1	45.0
225D Burlington	W225DJ	CP DCN NJ	290.6 110.2	61.21 0000150042	40 11 21.80 74 50 47.60	0.250	1.1 149	15.1 Ritmo Broadcasting, LLC	49.8	45.2
228A Stroudsburg	WSBG	LIC _CN PA	322.0 141.3	134.74 BLH20180406AAZ	40 56 53.30 75 09 36.60	0.430 266	76.9 473	26.4 Southern Belle, LLC	47.2	73.3

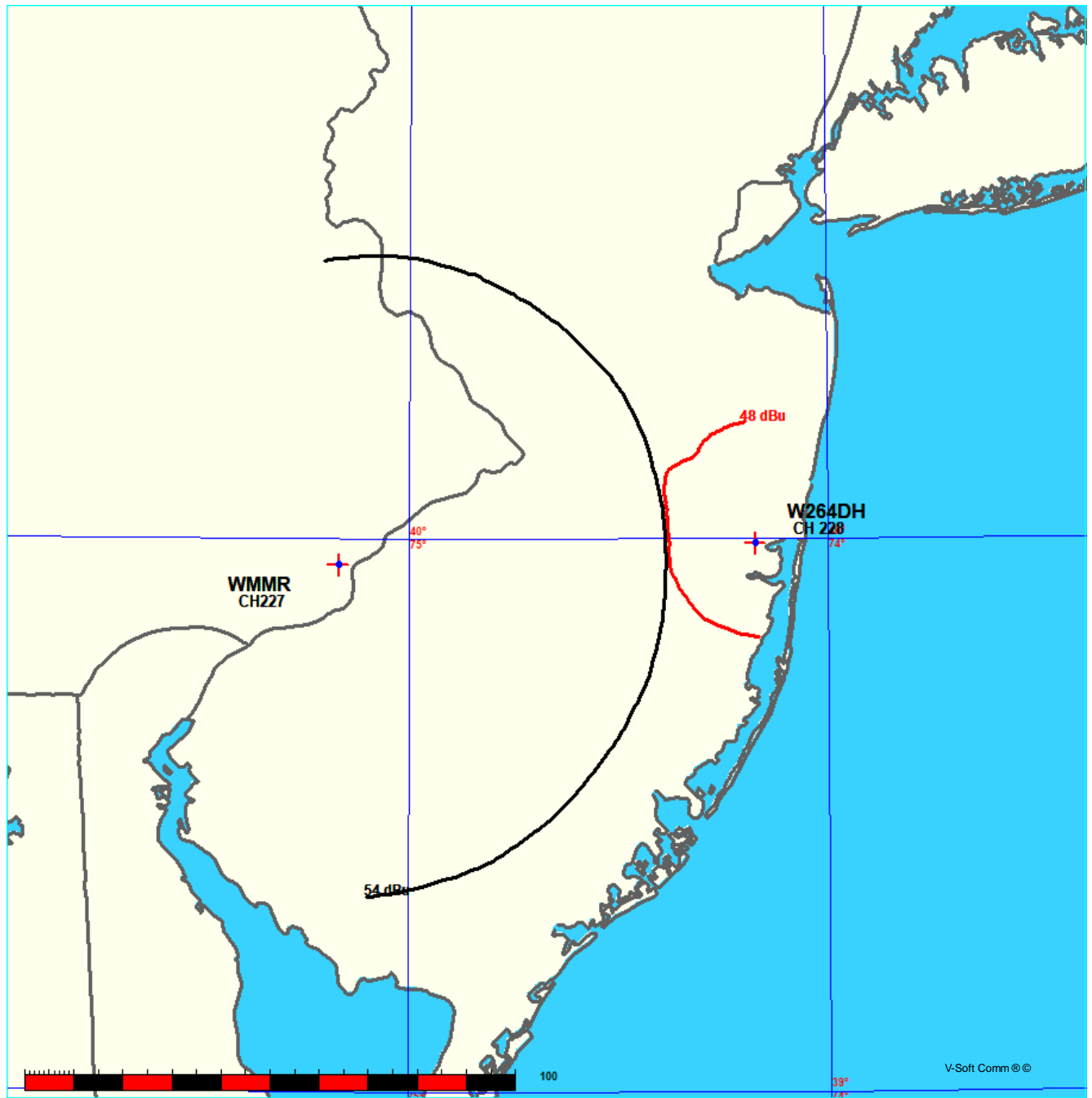
Terrain database is FCC 30 meter , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
In & Out distances between contours are shown at closest points. Reference zone= East Zone, Co to 3rd adjacent.  
All separation margins (if shown) include rounding.  
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni ), Polarization (C,H,V,E), Beamtilt(Y,N,X)

## E1A W264DH-WMMR Interference Plot

FMCommander Single Allocation Study - 08-25-2023 - FCC 30 meter  
W264DH's Overlaps (In= -2.11 km, Out= 0.63 km)

W264DH CH 228 D DA  
Lat= 39 59 51.10, Lng= 74 10 18.90  
0.25 kW 82.2 m HAAT, 93.6 m COR  
Prot.= 60 dBu, Intef.= 48 dBu

WMMR CH 227 B BMLH20061205ADU  
Lat= 39 57 09.40, Lng= 75 10 03.60  
16.5 kW 264 m HAAT, 292 m COR  
Prot.= 54 dBu, Intef.= 54 dBu



# E1A1 WMMR FMOVER

08-25-2023 Terrain Data: FCC 30 meter FMOver Analysis

WMMR BMLH20061205ADU

W264DH

Channel = 227B  
Max ERP = 16.5 kW  
RCAMSL = 292 m  
N. Lat. 39 57 09.40  
W. Lng. 75 10 03.60  
Protected  
54 dBu

Channel = 228D  
Max ERP = 0.25 kW  
RCAMSL = 93.6 m  
N. Lat. 39 59 51.10  
W. Lng. 74 10 18.90  
Interfering  
48 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
070.0	016.5000	0286.6	067.1	309.4	000.2470	0070.5	027.9	44.39	
071.0	016.5000	0285.1	067.0	307.9	000.2395	0071.4	027.0	44.95	
072.0	016.5000	0284.5	066.9	306.3	000.2320	0071.2	026.1	45.40	
073.0	016.5000	0284.2	066.9	304.7	000.2242	0070.9	025.2	45.84	
074.0	016.5000	0284.0	066.9	302.9	000.2159	0069.4	024.3	46.13	
075.0	016.5000	0284.3	066.9	301.0	000.2072	0069.5	023.4	46.60	
076.0	016.5000	0284.0	066.9	298.9	000.1929	0069.9	022.6	46.94	
077.0	016.5000	0284.0	066.9	296.6	000.1733	0069.8	021.9	47.05	
078.0	016.5000	0284.4	066.9	294.2	000.1537	0070.0	021.1	47.14	
079.0	016.5000	0284.5	066.9	291.5	000.1335	0071.9	020.5	47.28	
080.0	016.5000	0283.8	066.9	288.6	000.1176	0072.2	019.9	47.20	
081.0	016.5000	0282.9	066.8	285.4	000.1071	0073.3	019.5	47.29	
082.0	016.5000	0282.1	066.7	282.2	000.0966	0075.3	019.1	47.37	
083.0	016.5000	0282.4	066.7	278.8	000.0900	0076.1	018.8	47.47	
084.0	016.5000	0282.0	066.7	275.3	000.0900	0074.4	018.5	47.46	
085.0	016.5000	0281.7	066.7	271.7	000.0900	0072.8	018.4	47.40	
086.0	016.5000	0281.1	066.6	268.1	000.0900	0071.7	018.3	47.29	
087.0	016.5000	0280.3	066.6	264.5	000.0900	0073.2	018.4	47.41	
088.0	016.5000	0280.5	066.6	260.9	000.0900	0074.0	018.5	47.42	
089.0	016.5000	0280.3	066.6	257.4	000.0900	0074.7	018.7	47.32	
090.0	016.5000	0280.5	066.6	253.9	000.0900	0076.8	019.0	47.32	
091.0	016.5000	0279.3	066.5	250.8	000.0900	0076.9	019.5	46.95	
092.0	016.5000	0279.0	066.5	247.7	000.0900	0077.1	020.0	46.58	
093.0	016.5000	0279.9	066.5	244.6	000.0900	0076.0	020.4	46.09	
094.0	016.5000	0281.2	066.6	241.7	000.0900	0076.3	020.9	45.71	
095.0	016.5000	0282.7	066.8	239.0	000.0900	0077.1	021.5	45.35	
096.0	016.5000	0281.7	066.7	236.7	000.0900	0075.9	022.3	44.60	
097.0	016.5000	0281.4	066.7	234.5	000.0900	0076.2	023.1	44.04	
098.0	016.5000	0281.6	066.7	232.5	000.0900	0076.0	023.9	43.41	
099.0	016.5000	0281.8	066.7	230.6	000.0900	0076.0	024.7	42.80	
100.0	016.5000	0281.7	066.7	228.9	000.0900	0077.0	025.6	42.28	

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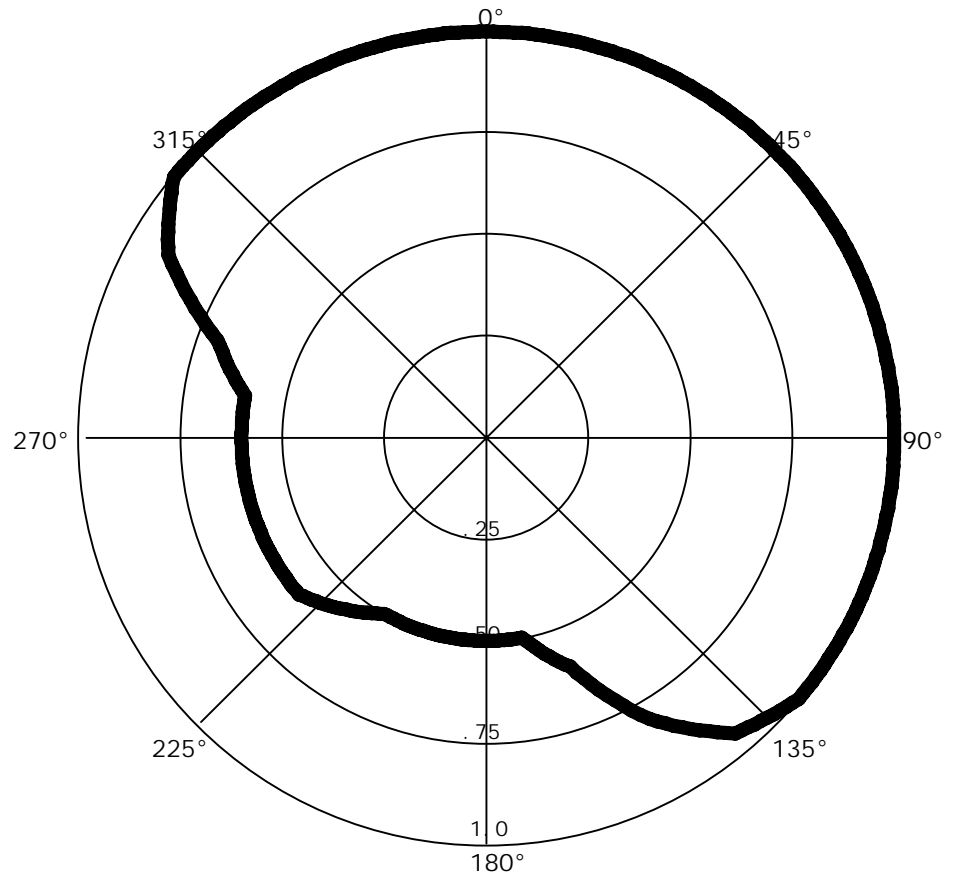
E1B W264DH DA

08-25-2023

RMS(V)= .848

Graph is Relative Field

Azi	Field	dBk	kW
000	1.000	-06.021	0.250
010	1.000	-06.021	0.250
020	1.000	-06.021	0.250
030	1.000	-06.021	0.250
040	1.000	-06.021	0.250
050	1.000	-06.021	0.250
060	1.000	-06.021	0.250
070	1.000	-06.021	0.250
080	1.000	-06.021	0.250
090	1.000	-06.021	0.250
100	1.000	-06.021	0.250
110	1.000	-06.021	0.250
120	1.000	-06.021	0.250
130	1.000	-06.021	0.250
140	0.950	-06.466	0.226
150	0.800	-07.959	0.160
160	0.600	-10.458	0.090
170	0.500	-12.041	0.063
180	0.500	-12.041	0.063
190	0.500	-12.041	0.063
200	0.500	-12.041	0.063
210	0.500	-12.041	0.063
220	0.550	-11.213	0.076
230	0.600	-10.458	0.090
240	0.600	-10.458	0.090
250	0.600	-10.458	0.090
260	0.600	-10.458	0.090
270	0.600	-10.458	0.090
280	0.600	-10.458	0.090
290	0.700	-09.119	0.122
300	0.900	-06.936	0.202
310	1.000	-06.021	0.250
320	1.000	-06.021	0.250
330	1.000	-06.021	0.250
340	1.000	-06.021	0.250
350	1.000	-06.021	0.250



W264DH-MOD  
BLFT20170607ABF  
Latitude: 39-59-49 N  
Longitude: 074-10-21 W  
ERP: 0.25 kW  
Channel: 228  
Frequency: 93.5 MHz  
AMSL Height: 93.6 m  
Elevation: 17.4 m  
Horiz. Pattern: Directional

W272DF-CP  
Latitude: 39-21-40 N  
Longitude: 074-35-01 W  
Channel: 272  
Frequency: 102.3 MHz

E1C 250 Mile Compliance

W264DH-MOD +

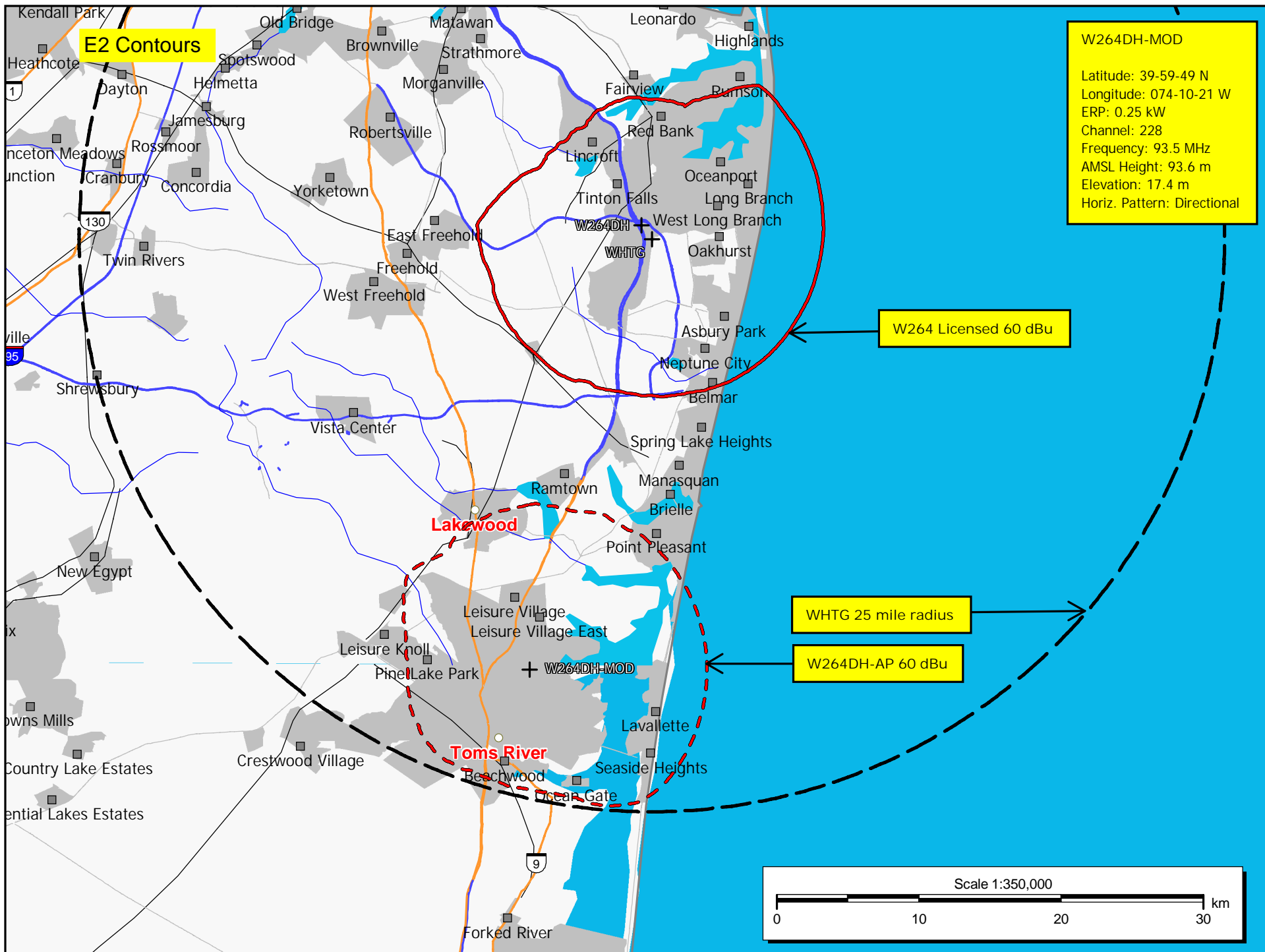
W272DF-CP +

W264DH is a 250  
mile move translator.  
The proposed move  
is 79 km @ 26.43  
degrees from the  
original site.

Scale 1:750,000

0 10 20 30 40 50 60 70 80 90 100 km



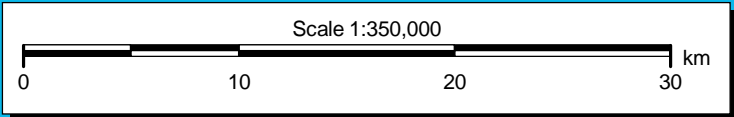


**W264DH-MOD**  
Latitude: 39-59-49 N  
Longitude: 074-10-21 W  
ERP: 0.25 kW  
Channel: 228  
Frequency: 93.5 MHz  
AMSL Height: 93.6 m  
Elevation: 17.4 m  
Horiz. Pattern: Directional

W264 Licensed 60 dBu

WHTG 25 mile radius

W264DH-AP 60 dBu



## E3 Registration 1044747



### Registration Detail

Reg Number	1044747	Status	Constructed
File Number	A1184328	Constructed	01/01/1974
EMI	No	Dismantled	
NEPA	No		

### Antenna Structure

Structure Type GTOWER - Guyed Structure Used for Communication Purposes

Location (in NAD83 Coordinates)

Lat/Long 39-59-51.1 N 074-10-18.9 W Address 1470 HOOPER AVE

City, State TOMS RIVER , NJ

Zip 08753 County OCEAN

Center of AM Array Position of Tower in Array

Heights (meters)

Elevation of Site Above Mean Sea Level Overall Height Above Ground (AGL)

17.4 94.4

Overall Height Above Mean Sea Level Overall Height Above Ground w/o Appurtenances

111.8 94.4

Painting and Lighting Specifications

FCC Paragraphs A1, H, 3, 11, 21, 23

### FAA Notification

FAA Study 2015-AEA-619-OE FAA Issue Date 02/12/2015

### Owner & Contact Information

FRN 0022509178 Owner Entity Limited Liability Company Type

#### Owner

CTI Towers Assets III, LLC  
Attention To: Matthew Bertolino  
5000 CentreGreen Way  
Suite 325  
Cary , NC 27513

P: (919)893-2841  
F:  
E: mbertolino@ctitowers.com

#### Contact

Bertolino , Matthew  
Attention To: Matthew Bertolino  
5000 CentreGreen Way  
Suite 325  
Cary , NC 27513

P: (919)893-2841  
F:  
E: mbertolino@ctitowers.com

### Last Action Status

Status	Constructed	Received	02/03/2021
Purpose	Notification	Entered	02/03/2021
Mode	Interactive		