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**ATLANTIC COAST COMMUNICATIONS, INC**

**HOLMDEL, NEW JERSEY**

**LICENSEE OF W26CE CHANNEL 26**

**NEW YORK, NEW YORK**

**FCC Facility ID #47855**

**FCC FILE No. BLTTL-20010927ABF**

**APPLICATION FOR AN EMERGENCY STA**

**TO SPECIFY A DIFFERENT TRANSMITTER SITE DUE TO LOSS  
OF EXISTING LEASE**

**ENGINEERING EXHIBIT 22**

**September 30, 2006**

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**REQUEST FOR EXPEDITED PROCESSING AND THE EXTRAORDINARY  
CIRUMSTANCES REQUIREMENT STATEMENT FOR QUESTION 8**

This instant application for an emergency STA is being submitted due to loss of lease on the presently authorized W26CE transmitter site as shown in BLTTL-20010927ABF. As reported earlier by the Licensee, W26CE is presently authorized to be silent. This authorization expires on November 1, 2006 and Atlantic Coast and wishes to return to the air as soon as possible. **We request emergency processing of this request so as to allow sufficient time to re-install the transmitting facilities of W26CE in time to resume operation by November 1, 2006.** The lateness of filing this application is a direct result of difficulty in obtaining a suitable site. Another suitable site, for which we were working on an Agreement for some time and fully expected to be able to use, was suddenly withdrawn by the owner and the proposed location is our best effort to obtain a suitable site meeting all commission rules regarding coverage and interference. We expect that operation under this emergency STA could continue for at least 6 months from November 1, 2006 or sooner.

Moreover, Atlantic Coast Communications, Incorporated (**Atlantic Coast**) will be filing a DTV flash cut application for W26CE shortly. As shown on the Emergency STA application engineering section, Atlantic Coast has obtained permission to utilize a nearby transmitter site at 40-51-08N, 072-45-55W with the presently authorized

directional antenna with the following parameters. Proposed STA ERP is 1.5 kW (DA) at 200 degrees utilizing a Bogner B8US with C/R at 68 meters AG and 145.1 meters AMSL. As shown in Figure 1, the proposed 74 dBu STA coverage area intersects the existing licensed W26CE 74 dBu coverage area. The attached allocations study shows no prohibited interference is caused to any full service, LPTV, or Class A station by this proposal. W26CE provides a unique service to this region. Granting of this proposal will serve the public interest by allowing W26CE to resume operations and to expeditiously convert to digital operation.

## **ENVIRONMENTAL STATEMENT**

There are no AM stations within 3.2 km of the W26CE site. The instant application is excluded under 1.1306. Using the procedures outlined in OET Bulletin 65, Edition 97-01 and specifically Appendix A, Table 1 and Equation 9, Page 21, I have evaluated the RFR energy from the antenna system of W26CE (CH 26) as follows:

W26CE is one of three stations at this general location required to be considered by 47 CFR 1.1307(b). They are W26CE (STA), WRCN-FM, and WLVG.

**W26CE** W26CE is proposing STA operation on Channel 26 utilizing a maximum ERP of 1.50 kilowatts visual and 0.15 kilowatts aural with a directional antenna and horizontal polarization (1.1 kW average power). The Channel 26 transmitting antenna is a high gain unit with a power gain of 10x side mounted with a C/R 68 meters up the tower. With the resulting high elevation gain, the RFR energy at steep angles below the horizon is expected to be at least 10 dB below that of the main lobe. Utilizing Appendix A, Table 1 the maximum occupational/controlled exposure level at CH 26 is 1810 uW/cm<sup>2</sup>. Using Equation 10, Page 21, the distance to the 1810 uW/cm<sup>2</sup> contour is 1.4 meters. For general public/uncontrolled environment the

maximum exposure level is  $362 \text{ uW/cm}^2$ . Again using Equation 10, the distance to the  $362 \text{ uW/cm}^2$  contour is 3.2 meters.

Since the base of the antenna is at least 66 meters above the ground, the height of the structure limits the possible excessive radiation values to at least 62.8 meters above the ground.

Again using Equation 10, the predicted RFR energy levels at 2 meters above ground is calculated at  $0.9 \text{ uW/cm}^2$  or 0.25% of the FCC allowable for the general public/uncontrolled environment per FCC OET Bulletin 65.

Therefore the total level of the W26CE RFR source at all points on the ground is below that required for protection of both the employees and the general public as required by ANSI 95.1-1992 or FCC OET 65, Edition 97-01. The total RFR level from W26CE(STA) is calculated not to not exceed  $0.9 \text{ uW/cm}^2$  or 0.25 of the FCC allowable anywhere on the ground in the area of the tower. Neither workers nor the general public will be exposed to electromagnetic fields exceeding the maximum permissible exposure (MPE) levels set for in Section 1.1310 of the commission's Rules. **The total RFR levels from proposed W26CE are less than 5% of the general public/uncontrolled environment allowable, thus W26CE is excluded from contribution to this multiple use site.**

**WRCN-FM** WRCN-FM is licensed with an ERP of 2.25 kW a non-directional antenna and circular polarization. The WRCN-FM transmitting antenna is a low gain unit with an elevation power gain of 1x side mounted with a C/R 58 meters up the tower. The RFR energy at steep angles below the horizon is expected to be at least 3 dB below that of the main lobe. Utilizing Appendix A, Table 1 the maximum occupational/controlled exposure level at FM is  $1.0 \text{ mW/cm}^2$ . Using Equation 10, Page 21 of OET-65, the distance to the  $1.0 \text{ mW/cm}^2$  contour is 8.6 meters. For general population/uncontrolled environment the maximum exposure level is  $200 \text{ uW/cm}^2$ .

Again using Equation 10, the calculated distance to the  $200 \text{ uW/cm}^2$  contour is 19.4 meters. Since the base of the antenna is approximately 56 meters above the ground, the height of the structure limits the possible excessive radiation values to at least 36 meters above the ground.

Again using Equation 10, the predicted RFR energy levels at 2 meters above ground is calculated at  $25.7 \text{ uW/cm}^2$  or 12.9% of the FCC allowable for the general public/uncontrolled environment per FCC OET-65.

**WLVG(FM)** WLVG(FM) is licensed with an ERP of 2.65 kW a directional antenna and circular polarization. The WLVG(FM) transmitting antenna is a low gain unit with an elevation power gain of 1x side mounted with a C/R 90 meters up the tower. The RFR energy at steep angles below the horizon is expected to be at least 3 dB below that of the main lobe. Utilizing Appendix A, Table 1 the maximum occupational/controlled exposure level at FM is  $1.0 \text{ mW/cm}^2$ . Using Equation 10, Page 21 of OET-65, the distance to the  $1.0 \text{ mW/cm}^2$  contour is 9.4 meters. For general population/uncontrolled environment the maximum exposure level is  $200 \text{ uW/cm}^2$ . Again using Equation 10, the calculated distance to the  $200 \text{ uW/cm}^2$  contour is 21.1 meters. Since the base of the antenna is approximately 88 meters above the ground, the height of the structure limits the possible excessive radiation values to at least 66 meters above the ground.

Again using Equation 10, the predicted RFR energy levels at 2 meters above ground is calculated at  $11.96 \text{ uW/cm}^2$  or 6.0% of the FCC allowable for the general public/uncontrolled environment per FCC OET-65.

Where radio frequency fields in excess of FCC guidelines are predicted to be encountered (very near the station's transmission antenna), signs and protective devices shall secure the area affected from the general public. With respect to direct employees of this licensee, OSHA RFR guidelines will be observed. Contractors and other outside

workers potentially exposed to such areas shall be advised of the hazard by posted notices or other means. The station will reduce power or cease operation, if necessary, in order to protect workers on the tower.

With these procedures in place, we believe the proposed W26CE (Channel 26) operation at this new site will be in compliance with the RFR energy requirements of 47 CFR 1.1307(b).

# W26CE (STA) TABLE 1

\*\*\*\*\* TV CHANNEL INTERFERENCE STUDY \*\*\*\*\*

Job title: CH 19 LPTV  
 Proposed latitude: N 40 51 7.60  
 Proposed longitude: W 72 45 53.60  
 Proposed transmit antenna elevation(AMSL): 68.0 meters  
 Proposed maximum ERP: 1.5000 kW  
 Database file name: C:\FCC\2006\January\TV060210.EDX  
 Proposed offset: - offset  
 Proposed zone: 2

Proposed channel: 26

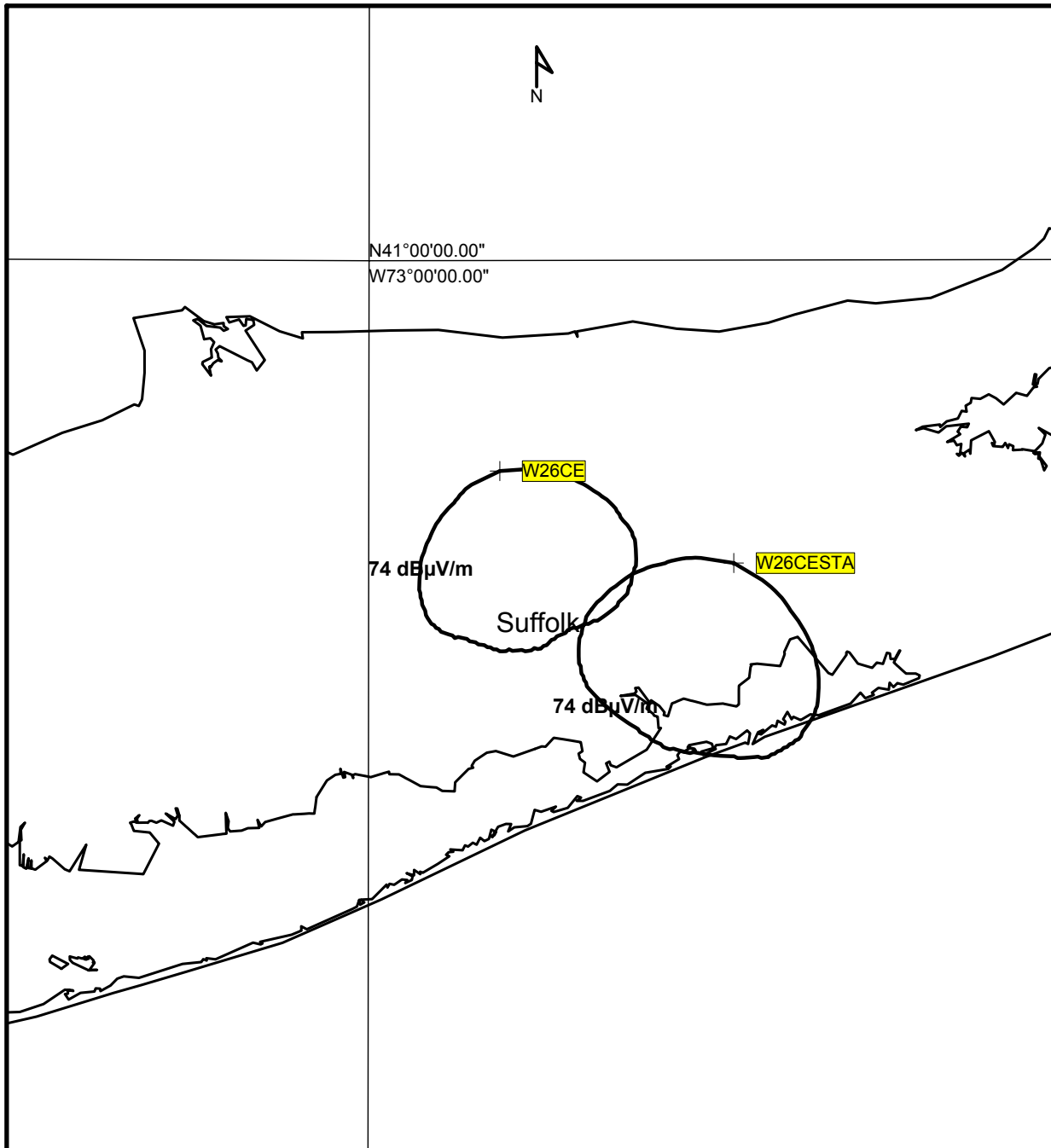
CH	Call	Record	City	ST Z	Status	Bear.	Dist.	Reqd. Dist.	Result
26-	W26CE	1054	NEW YORK	NY 0	LIC	291.7	13.7	21.3	-7.6
	Prop F(50,10)	29 dBu	14.1 km + W26CE	F(50,50)	74 dBu	7.2 km	=	21.3	
	Prop F(50,50)	74 dBu	0.0 km + W26CE	F(50,10)	29 dBu	82.2 km	=	82.2	
24o	WEDH	1078	HARTFORD	CT 1	LIC	358.1	102.5	32.0	
	32 km distance	separation requirement			from Part	74.705(b) (5)			
24o	WEDH	1079	HARTFORD	CT 1	CP	356.6	94.7	32.0	
	32 km distance	separation requirement			from Part	74.705(b) (5)			
26+	WHPX	1080	NEW LONDON	CT 1	LIC	36.8	78.8	142.0	ACINF
	Prop F(50,10)	36 dBu	9.2 km + WHPX	F(50,50)	64 dBu	61.6 km	=	70.8	
	Prop F(50,50)	74 dBu	0.0 km + WHPX	F(50,10)	46 dBu	142.0 km	=	142.0	
26+	WHPX	1081	NEW LONDON	CT 1	LIC	36.8	78.8	142.0	ACINF
	Prop F(50,10)	36 dBu	9.2 km + WHPX	F(50,50)	64 dBu	61.6 km	=	70.8	
	Prop F(50,50)	74 dBu	0.0 km + WHPX	F(50,10)	46 dBu	142.0 km	=	142.0	
26+	WHPX	1082	NEW LONDON	CT 1	APP	36.8	78.8	144.4	ACINF
	Prop F(50,10)	36 dBu	9.2 km + WHPX	F(50,50)	64 dBu	62.4 km	=	71.7	
	Prop F(50,50)	74 dBu	0.0 km + WHPX	F(50,10)	46 dBu	144.4 km	=	144.4	
30+	WVIT	1084	NEW BRITAIN	CT 1	LIC	356.6	94.4	32.0	
	32 km distance	separation requirement			from Part	74.705(b) (5)			
21-	WLIW	1281	GARDEN CITY	NY 1	LIC	263.3	58.4	32.0	26.4
	32 km distance	separation requirement			from Part	74.705(b) (5)			
25o	WNYE-TV	1286	NEW YORK	NY 1	LIC	264.0	103.7	86.7	17.0
	Prop F(50,10)	79 dBu	2.5 km + WNYE-T	F(50,50)	64 dBu	84.2 km	=	86.7	
	Prop F(50,50)	74 dBu	3.3 km + WNYE-T	F(50,50)	89 dBu	41.0 km	=	44.3	
26o	W27CB	1287	HEMPSTEAD	NY 0	CP	263.3	58.4	35.7	22.7
	Prop F(50,10)	46 dBu	17.2 km + W27CB	F(50,50)	74 dBu	6.3 km	=	23.5	
	Prop F(50,50)	74 dBu	3.4 km + W27CB	F(50,10)	46 dBu	32.4 km	=	35.7	
26-	WNXY-LP	1288	NEW YORK	NY 0	LIC	263.7	100.2	126.4	ACINF
	Prop F(50,10)	29 dBu	45.3 km + WNXY-L	F(50,50)	74 dBu	14.9 km	=	60.2	
	Prop F(50,50)	74 dBu	3.3 km + WNXY-L	F(50,10)	29 dBu	123.1 km	=	126.4	
27+	W27CB	1289	HEMPSTEAD	NY 0	LIC	263.3	58.4	5.5	
	Prop F(50,10)	89 dBu	0.0 km + W27CB	F(50,50)	74 dBu	5.0 km	=	5.0	
	Prop F(50,50)	74 dBu	3.4 km + W27CB	F(50,50)	89 dBu	2.2 km	=	5.5	
27-	W27CD	1342	STAMFORD	CT 0	LIC	290.4	69.0	3.8	
	Prop F(50,10)	89 dBu	0.0 km + W27CD	F(50,50)	74 dBu	3.8 km	=	3.8	
	Prop F(50,50)	74 dBu	0.0 km + W27CD	F(50,50)	89 dBu	0.0 km	=	0.0	

TABLE 1 - cont.

27	WTBY-TV	1344	POUGHKEEPSIE	NY 1 LIC	306.0	121.9	83.9
Prop	F(50,10)	89	dBu	0.0 km + WTBY-T	F(50,90)	41	dBu 83.9 km = 83.9
Prop	F(50,50)	74	dBu	0.0 km + WTBY-T	F(50,50)	89	dBu 26.5 km = 26.5
27	WTBY-TV	1360	POUGHKEEPSIE	NY 0 LICEN	313.5	141.1	48.0
Prop	F(50,10)	89	dBu	0.0 km + WTBY-T	F(50,90)	41	dBu 48.0 km = 48.0
Prop	F(50,50)	74	dBu	0.0 km + WTBY-T	F(50,50)	89	dBu 6.3 km = 6.3
23-	ALLOTM	1373	ALBANY-SCHENECTAD	NY 1	338.1	215.9	0.0
29+	ALLOTM	1378	ALBANY-SCHENECTAD	NY 1	338.1	215.9	0.0
26	WTEN	1397	ALBANY	NY 0 CPAPP	333.1	223.3	239.4 ACINF
Prop	F(50,10)	20	dBu	25.4 km + WTEN	F(50,90)	41	dBu 57.3 km = 82.7
Prop	F(50,50)	74	dBu	0.0 km + WTEN	F(50,10)	29	dBu 239.4 km = 239.4
31-		1531	NEW YORK	NY 1 APP	267.9	125.1	32.0
32	km distance		separation requirement	from Part	74.705(b)	(5)	
31-	WPXN-TV	1532	NEW YORK	NY 1 LIC	262.0	106.6	32.0
32	km distance		separation requirement	from Part	74.705(b)	(5)	
31-	WPXN-TV	1533	NEW YORK	NY 1 APP	262.0	106.6	32.0
32	km distance		separation requirement	from Part	74.705(b)	(5)	
26-	WTEN	1609	ALBANY	NY 0 STA	332.7	222.5	259.7 ACINF
Prop	F(50,10)	29	dBu	13.9 km + WTEN	F(50,50)	74	dBu 51.1 km = 64.9
Prop	F(50,50)	74	dBu	0.0 km + WTEN	F(50,10)	29	dBu 259.7 km = 259.7
26	WTEN	1610	ALBANY	NY 1 CP MOD	332.7	222.5	276.2 ACINF
Prop	F(50,10)	20	dBu	25.4 km + WTEN	F(50,90)	41	dBu 100.9 km = 126.3
Prop	F(50,50)	74	dBu	0.0 km + WTEN	F(50,10)	29	dBu 276.2 km = 276.2
26	KYW-TV	1829	PHILADELPHIA	PA 1 CP	247.6	228.6	288.4 ACINF
Prop	F(50,10)	20	dBu	117.6 km + KYW-TV	F(50,90)	41	dBu 100.9 km = 218.4
Prop	F(50,50)	74	dBu	5.6 km + KYW-TV	F(50,10)	29	dBu 282.8 km = 288.4
26	KYW-TV	1885	PHILADELPHIA	PA 0 CPOFF	247.6	228.4	245.0 ACINF
Prop	F(50,10)	20	dBu	117.6 km + KYW-TV	F(50,90)	41	dBu 57.3 km = 174.9
Prop	F(50,50)	74	dBu	5.6 km + KYW-TV	F(50,10)	29	dBu 239.4 km = 245.0

\*\*\*\*\* End of channel 26 study \*\*\*\*\*





SIGNAL™: w26ce\_sta\_74dbu\_overlap.map

#### Sites

Site: NEW YORK

N40°53'50.00" W72°54'56.00" 30.0 m

W26CE Tx.Ht.AGL: 68.0 m Total ERPd: 4.91dBkW

Grp: 1 directional-horizontal/165.0° 543.2500 MHz

Site: W26CE\_sta

N40°51'07.60" W72°45'53.60" 77.1 m

W26CESTA Tx.Ht.AGL: 68.0 m Total ERPd: 1.76dBkW

Grp: 1 directional-horizontal/200.0° 543.2500 MHz

#### Interference contour study

Propagation methods:

service contour : FCC-FCC 50.0%

 = **74.0 dBuV/m service contour**

 Reference Grid (spacing: 30')

#### Notes

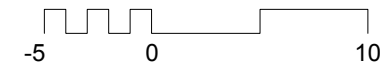
Plot of both W26CE present and proposed STA 74 dBu service contours showing that the new location coverage intersects the existing coverage area.

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KILOMETERS



## COVERAGE MAP

W26CE Long Island, NY

Figure 1

9/30/2006