



1671 W. Sunrise Blvd.  
Ste.110  
Sunrise, FL 33323

MODIFICATION – LMS#0000006413

Facility ID: 182494

WCYD-LD Ch. 15 Myrtle Beach, SC

Date: 13-Dec-2017 Rev:

## 1 Scope

Applicant submits this application pursuant to the terms of the Consent Decree entered into between DTV America Corporation and the FCC's Media Bureau. *See DTV America Corp., et al., Consent Decree, DA 17-1058 (rel. Oct. 31, 2017).* The reference coordinates and operational parameters in this application are based on the coordinates and parameters included in the corresponding application listed in Appendix E to the Consent Decree. *See id.* at App. E. Where necessary, Applicant has made minor adjustments to the originally defined parameters to avoid interference to primary broadcast facilities or to account for site-availability issues. *See id.* ¶ 24. Deviations from the originally defined parameters comply with Part 74 of the Commission's rules and the terms of the Consent Decree. *Id.*

## 2 Authorization Containing Station's Modified Terms and Coordinates

Permit File Number:	0000006413		
Station Location:	Charleston, NC		
Frequency (MHz):	476-482		
Channel:	15		
Antenna Type:	Directional – DIE TUA-P2-0641	Rotation: 210°	
Coordinates (NAD83):	Latitude	33° 43' 33.8" N	Longitude 079° 47' 57.8" W
Maximum ERP:	6.0 kW		
Radiation Center AGL:	17.4 m		
Radiation Center AMSL:	44.8 m		
Antenna Structure Reg No:	N/A		

## 3 Proposed Facility

Antenna Structure Reg No:	1264921		
Coordinates (NAD83):	Latitude	33° 21' 20.2" N	Longitude 079° 39' 27.6" W
Distance from Permit:	26.53 miles		
Radiation Center AGL:	85.0 m		
Radiation Center AMSL:	92.6 m		
Antenna Type:	Directional - TUA-C2a	Rotation: 140°	
Maximum ERP:	15.0 kW		



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#### 4 TV Study Interference Check

TV Study Interference Check encountered "Study Abort Error" during study run.  
An alternate Interference study using V-Soft Probe4 is provided.

##### Outgoing Interference Population Report

WCYD-MOD@ASR1264921 (15) Myrtle Beach, SC  
Broadcast Type: Digital Service: G [Full Service Emission Mask]  
Lat: 33-21-19.60 N Lng: 079-39-28.40 W [NAD27]  
ERP: 15.0 kW AMSL: 92.6 m  
TV Outgoing Interference Study  
Signal Resolution: 1.0 km  
Consider NTSC Taboo: Yes  
KWX error points are considered to  
be interference free coverage.  
Default # of radials computed for contours: 360  
Contours calculated using FCC matching interpolated radial HAAT.  
LR Profile Spacing Increment: 1.0 km  
Masked interference points are being counted  
as interference free.  
Pop Centroid DB: 2010 US Census (PL)  
  
Study Date: 12/13/2017  
TV Database Date: 12/13/2017  
  
Primary Terrain: FCC 30 Meter Terrain  
  
Population Database: 2010 US Census (PL)

##### ----- Stations Considered:

Call Letters	City	State	Dist	Azi
WSAV-TV.C (16)	Savannah	GA	210.6	227.4
WSAV-TV.A (16)	Savannah	GA	210.6	227.4
WDDZ-LD.C (15)	Augusta	GA	235.9	269.5
WILM-LD.A (15)	Wilmington	NC	170.2	50.6
WNCB-LD (15)	Fayetteville	NC	197.6	18.2
W21CK-D.C (15)	Charlotte	NC	233.2	331.6
W21CK-D.A (15)	Charlotte	NC	233.2	331.6
WFPX-TV.C (15)	Archer Lodge	NC	333.0	23.4
WRAZ-D.C (15)	Raleigh	NC	277.4	21.7
WRAZ-D.A (15)	Raleigh	NC	277.4	21.7
WRAZ-A (15)	Raleigh	NC	277.4	21.6
WHWD-LD.A (15)	Winston-Salem	NC	302.5	346.3
WRPX-TV (15)	Rocky Mount	NC	333.0	23.4
NEW-D.A (15)	Wilmington	NC	172.9	54.8
W21CK-D-A (15)	Charlotte	NC	233.2	331.6
NEW-D.A (15)	Wilmington	NC	170.2	50.6



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WNSC-TV (15)	Rock Hill	SC	207.0	323.0
WPDE-TV (16)	Florence	SC	116.3	15.0
WVEB-LD (14)	Florence	SC	80.7	2.3
WVEB-LD (14)	Florence	SC	109.7	342.0
WJPM-TV-A (16)	Florence	SC	102.8	355.6
NEW-D.A (15)	Myrtle Beach	SC	86.6	56.4
WJPM-TV.C (16)	Florence	SC	102.8	355.6
WLTX-A (15)	Columbia	SC	131.4	309.0
W14DJ-D.C (14)	Myrtle Beach	SC	62.4	65.1
W14DJ-D (14)	Myrtle Beach	SC	62.5	65.0
WLTX-D.C (15)	Columbia	SC	131.4	309.0
W15DC-D.A (15)	Florence	SC	116.3	15.0
W15DC-D.C (15)	Florence	SC	116.3	15.0

Call	Area	HUnits	Contour	Masked	Ix	Unmasked	Ix	%
WSAV-TV.C (16)	0.0	0	977,779		0		0	0.00
WSAV-TV.A (16)	0.0	0	1,005,705		0		0	0.00
WDDZ-LD.C (15)	0.0	0	354,043		0		0	0.00
WILM-LD.A (15)	0.0	0	377,385		0		0	0.00
WNCB-LD (15)	0.0	0	346,472		0		0	0.00
W21CK-D.C (15)	0.0	0	854,541		0		0	0.00
W21CK-D.A (15)	0.0	0	1,666,056		0		0	0.00
WFPX-TV.C (15)	0.0	0	2,208,235		0		0	0.00
WRAZ-D.C (15)	0.0	0	3,575,884		0		0	0.00
WRAZ-D.A (15)	0.0	0	3,860,678		0		0	0.00
WRAZ-A (15)	0.0	0	3,547,957		0		0	0.00
WHWD-LD.A (15)	0.0	0	767,087		0		0	0.00
WRPX-TV (15)	0.0	0	2,207,645		0		0	0.00
NEW-D.A (15)	0.0	0	283,974		0		0	0.00
W21CK-D-A (15)	0.0	0	887,483		0		0	0.00
NEW-D.A (15)	0.0	0	294,035		0		0	0.00
WNSC-TV (15)	0.0	0	2,067,305		0		0	0.00
WPDE-TV (16)	0.0	0	1,756,316		3		0	0.00
WVEB-LD (14)	0.0	0	73,551		0		0	0.00
WVEB-LD (14)	0.0	0	87,147		0		0	0.00
WJPM-TV-A (16)	0.0	0	593,284		0		0	0.00
NEW-D.A (15)	0.0	0	243,936		0		0	0.00
WJPM-TV.C (16)	0.0	0	606,324		0		0	0.00
WLTX-A (15)	5.1	161	1,584,357		0		458	0.03
W14DJ-D.C (14)	0.0	0	231,560		0		0	0.00
W14DJ-D (14)	0.0	0	92,211		0		0	0.00
WLTX-D.C (15)	5.1	161	1,584,246		0		458	0.03
W15DC-D.A (15)	0.0	0	72,534		0		0	0.00
W15DC-D.C (15)	0.0	0	99,074		0		0	0.00

Housing Units Population

South Carolina

Berkeley County

Total	73,372	177,843
WLTX-A (15)	161	458
WLTX-D.C (15)	161	458



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