



(REFERENCE COPY - Not for submission)

LPTV Engineering STA Application

File Number: 0000029224 | Submit Date: 08/10/2017 | Call Sign: WILM-LD | Facility ID: 167819 | FRN: 0003756632 |

State: North Carolina | City: WILMINGTON

Service: LPD | Purpose: Engineering STA | Status: Granted | Status Date: 08/17/2017 | Expiration Date: |

Filing Status: InActive

General Information

Section	Question	Response
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Fees, Waivers, and Exemptions

Section	Question	Response
Fees	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

Application Type	Fee Code	Fee Amount
Engineering STA	MGL	\$190.00
Total		\$190.00

Applicant
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WILM, INC. Applicant Doing Business As: WILM, INC.	Peter Sockett 25 N. Kerr Ave WILMINGTON, NC 28405 United States	+1 (919) 821-8573	PSOCKETT@WRAL.COM	Other

Authorization Holder Name

Check box if the Authorization Holder name is being updated because of the sale (or transfer of control) of the Authorization(s) to another party and for which proper Commission approval has not been received or proper notification provided.

Contact
Representatives
(3)

Contact Name	Address	Phone	Email	Contact Type
Louis R duTreil , Jr . <i>Technical Consultant</i> duTreil Lundin & Rackley Inc	3135 Southgate Circle Sarasota, FL 34239 United States	+1 (941) 329- 6004	bobjr@DLR.com	Technical Consultant
David O'Connor O'Connor WILKINSON, BARKER, KNAUER, LLP	1800 M ST NW WASHINGTON, DC 20036 United States	+1 (202) 783- 4141	DOCONNOR@WBKLAW. COM	Legal Representative
PETER SOCKETT SOCKETT CAPITOL BROADCASTING COMPANY, INC.	2619 WESTERN BOULEVARD RALEIGH, NC 27606 United States	+1 (919) 821- 8573	PSOCKETT@WRAL. COM	Technical Representative

Channel and Facility Information

Section	Question	Response
Facility ID	167819	
State	North Carolina	
City	WILMINGTON	
LPD Channel	15	

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1014589
Coordinates (NAD83)	Latitude	34° 19' 16.6" N+
	Longitude	078° 13' 42.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	310.9 meters
	Support Structure Height	293.2 meters
	Ground Elevation (AMSL)	8.8 meters
Antenna Data	Height of Radiation Center Above Ground Level	258.5 meters
	Height of Radiation Center Above Mean Sea Level	267.3 meters
	Effective Radiated Power	15 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1001948
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	ALP8M1-CSW-15
	Rotation	0 degrees
	Electrical Beam Tilt	0.25
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Circular
Elevation Radiation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	No
	Uploaded file for elevation antenna (or radiation) pattern data	
	Out-of-Channel Emission Mask:	Full Service

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	.397	90	.99	180	.925	270	.68
10	.51	100	.959	190	.929	280	.605
20	.605	110	.929	200	.959	290	.51
30	.68	120	.925	210	.99	300	.397
40	.758	130	.951	220	.997	310	.302
50	.845	140	.985	230	.975	320	.253
60	.922	150	1	240	.922	330	.241
70	.975	160	.985	250	.845	340	.253
80	.997	170	.951	260	.758	350	.302

Additional Azimuths

Degree	V _A
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Certification

Section	Question	Response
General Certification Statements	The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).	
	The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR §1.2002(b), for the definition of "party to the application" as used in this certification §1.2002 (c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.	
Authorized Party to Sign	FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application. WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, §503).	
	I certify that this application includes all required and relevant attachments.	Yes
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	Jennifer B Venable B Venable <i>Vice President</i> 08/10/2017

Attachments

File Name	Uploaded By	Attachment Type	Description
29224.pdf	Internal	All Purpose	
T-Mobile Notification WILM-LD.pdf	Applicant	All Purpose	T-Mobile Letter
WILM_LD_15_Request_for_STA.pdf	Applicant	General Information	REQUEST FOR STA
WILM_LD_15_STA_RF_Hazard_Statement.pdf	Applicant	All Purpose	RF HAZARD STATEMENT
WRAZ_interference_consent.pdf	Applicant	All Purpose	WRAZ(TV) Non-objection letter