



(REFERENCE COPY - Not for submission)

DTS Engineering STA Application

File Number: **0000021926** | Submit Date: **02/07/2017** | Call Sign: **WMBC-TV** | Facility ID: **43952** | FRN: **0003746450**
 State: **New Jersey** | City: **NEWTON**
 Service: **DTS** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **02/10/2017** | 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	MGT	\$190.00
Total		\$190.00

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
MOUNTAIN BROADCASTING CORPORATION Applicant Doing Business As: MOUNTAIN BROADCASTING CORPORATION	JOON S. JOO 99 CLINTON ROAD WEST CALDWELL, NJ 07006 United States	+1 (973) 852-0300	VICJOO@WMBCTV. 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
(2)**

Contact Name	Address	Phone	Email	Contact Type
JR. LOUIS R. DUTREIL R. DUTREIL , JR. . DUTREIL LUNDIN & RACKLEY INC.	201 FLETCHER AVE SARASOTA, FL 34237 United States	+1 (941) 329- 6004	BOBJR@DLR. COM	Technical Representative
ESQ. ARTHUR H. HARDING H. HARDING , ESQ. . GARVEY SCHUBERT BARER	1000 Potomac Street NW WASHINGTON, DC 20007 United States	+1 (202) 298- 2528	aharding@gsblaw. com	Legal Representative

Channel and Facility Information

Section	Question	Response
Facility ID	43952	
State	New Jersey	
City	NEWTON	
DTS Channel	18	
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	1

DTS Reference Point

Section	Question	Response
Construction Permit File Number and Facility ID	File Number for Current Authorized Service Area:	
	Facility ID	
Coordinates (NAD83)	Latitude	- -
	Longitude	- -

**Site 1: Antenna
Location Data**

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1045123
Coordinates (NAD83)	Latitude	40° 51' 53.0" N+
	Longitude	074° 12' 02.0" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	200.0 meters
	Support Structure Height	172.7 meters
	Ground Elevation (AMSL)	119.8 meters
Antenna Data	Height of Radiation Center Above Ground Level	193 meters
	Height of Radiation Center Above Average Terrain	250 meters
	Height of Radiation Center Above Mean Sea Level	312.8 meters
	Effective Radiated Power	1000 kW

**Site 1: Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	96969
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-16GTH-R 2S350
	Electrical Beam Tilt	1
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
DTV and DTS: Elevation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	
	Rotation	0 degrees
	Uploaded file for elevation antenna (or radiation) pattern data	

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.447	90	0.236	180	0.309	270	0.936
10	0.364	100	0.235	190	0.333	280	0.985
20	0.286	110	0.209	200	0.367	290	1
30	0.208	120	0.174	210	0.416	300	0.978
40	0.13	130	0.158	220	0.484	310	0.922
50	0.069	140	0.177	230	0.569	320	0.839
60	0.091	150	0.216	240	0.666	330	0.741
70	0.155	160	0.255	250	0.767	340	0.637
80	0.208	170	0.285	260	0.86	350	0.538

Additional Azimuths

Degree	V _A
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**Site 2: Antenna
Location Data**

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1007048
Coordinates (NAD83)	Latitude	40° 44' 54.0" N+
	Longitude	073° 59' 09.0" W-
	Structure Type	B-Building
	Overall Structure Height	443.0 meters
	Support Structure Height	381.0 meters
	Ground Elevation (AMSL)	15.5 meters
Antenna Data	Height of Radiation Center Above Ground Level	307 meters
	Height of Radiation Center Above Average Terrain	309 meters
	Height of Radiation Center Above Mean Sea Level	322.5 meters
	Effective Radiated Power	90 kW

**Site 2: Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	96970
Antenna Manufacturer and Model	Manufacturer:	RFT
	Model	SFN-2030-G-8
	Electrical Beam Tilt	1
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
DTV and DTS: Elevation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	
	Rotation	110 degrees
	Uploaded file for elevation antenna (or radiation) pattern data	

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	1	90	0.23	180	0.08	270	0.23
10	0.98	100	0.15	190	0.07	280	0.315
20	0.94	110	0.08	200	0.05	290	0.415
30	0.85	120	0.05	210	0.045	300	0.53
40	0.74	130	0.03	220	0.035	310	0.635
50	0.635	140	0.03	230	0.06	320	0.755
60	0.525	150	0.04	240	0.08	330	0.85
70	0.41	160	0.05	250	0.13	340	0.93
80	0.3	170	0.07	260	0.17	350	0.98

Additional Azimuths

Degree	V _A
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Certification

Section	Question	Response
<p>General Certification Statements</p>	<p>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.).</p>	
	<p>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.</p>	
<p>Authorized Party to Sign</p>	<p>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</p> <p>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.</p> <p>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).</p>	
	<p>I certify that this application includes all required and relevant attachments.</p>	<p>Yes</p>
	<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Arthur Harding Harding <i>Counsel - Garvey Schubert Barer</i></p> <p>02/07/2017</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>Letter to FCC re Restored Operation for WMBC-TV.PDF</u>	Internal	All Purpose	Restored Operation Letter
<u>NewtonNJ_WMBC_TV_STA_2017Feb07A.PDF</u>	Applicant	General Information	Explanation of Circumstances for STA Request