



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000169069** | Submit Date: **11/16/2021** | Call Sign: **KCNC-TV** | Facility ID: **47903** | FRN: **0004425773**
 State: **Colorado** | City: **DENVER**
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **11/19/2021** | Expiration Date:
 Filing Status: **Active**

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	MPV	\$270.00
Total		\$270.00

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
CBS TELEVISION STATIONS INC. Applicant Doing Business As: CBS TELEVISION STATIONS INC.	Daniel G. Ryson 2020 M. St., NW - Licensing DEPT Washington, DC 20036 United States	+1 (202) 457- 4505	dryson@cbs. 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
(1)**

Contact Name	Address	Phone	Email	Contact Type
Daniel G. Ryson G. Ryson ViacomCBS	Daniel G. Ryson 2020 M. St., NW - Licensing DEPT Washington, DC 20036 United States	+1 (202) 457- 4074	dryson@cbs. com	Technical Representative

**Channel and
Facility
Information**

Section	Question	Response
Proposed Community of License	Facility ID	47903
	State	Colorado
	City	DENVER
	DTV Channel	35
	Designated Market Area	Denver
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	2

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1058328
Coordinates (NAD83)	Latitude	39° 43' 50.6" N+
	Longitude	105° 13' 55.6" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	223.8 meters
	Support Structure Height	189.1 meters
	Ground Elevation (AMSL)	2168.8 meters
Antenna Data	Height of Radiation Center Above Ground Level	167.7 meters
	Height of Radiation Center Above Average Terrain	324 meters
	Height of Radiation Center Above Mean Sea Level	2336.5 meters
	Effective Radiated Power	420 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	111258
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TUA-C3-12/36U-1-S
	Rotation	0 degrees
	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?	No
	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	1	180	1	270	0.001
10	0.952	100	0.956	190	0.967	280	0.021
20	0.783	110	0.778	200	0.872	290	0.094
30	0.75	120	0.693	210	0.729	300	0.218
40	0.919	130	0.89	220	0.556	310	0.378
50	0.846	140	0.89	230	0.378	320	0.556
60	0.637	150	0.693	240	0.218	330	0.729
70	0.78	160	0.778	250	0.094	340	0.872
80	0.961	170	0.956	260	0.021	350	0.967

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>Martha E Heller E Heller <i>VP, Government Relations and Regulatory</i></p> <p>11/16/2021</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
KCNC-TV STA Statement.pdf	Applicant	General Information	Engineering Statement