



UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: ESPN, LLC

Call Sign: E070231

Authorization Type: Renewal

File Number: SES-RWL-20221007-01062

Grant Date: 2022-10-26 **Expiration Date:** 2037-12-11

Nature of Service: Fixed-Satellite Service

Class of Station: FES

A) Site Location(s):

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1	C1/C2	ESPN PLAZA BRISTOL, Hartford, CT 06010	41 ° 38 ' 51.6 " N	72 ° 53 ' 51.6 W	89	NAD- 83	

Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209

2	C1C/C2C	ESPN PLAZA BRISTOL, HARTFORD, CT 06010	41 ° 38 ' 51.6 " N	72 ° 53 ' 51.6 W	89	NAD- 83	
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Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209



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Sunday, December 11, 2022 (3 AM Eastern Standard Time) and ending Friday, December 11, 2037 (3 AM Eastern Standard Time)[Grant Date / Construction Commencement Date not found]

B) Particulars of Operation

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1	13800 - 14000		10M0G7D	Earth- to- Space	72.5	38.53	2		DIGITAL COMPRESSED SERVICE
2	11700 - 12200		54M0G7F	Space- to- Earth			2		Digital Compressed Video Carrier
3	11450 - 12200		10M0G7D	Space- to- Earth			2		DIGITAL COMPRESSED SERVICE
4	14000 - 14500		36M0F8W	Earth- to- Space	82.84	43.3	2		Analog Video Carrier
5	10950 - 11200		54M0G7F	Space- to- Earth			2		DIGITAL COMPRESSED SERVICE
6	5925 - 6425		36M0F8W	Earth- to- Space	75.94	36.4	2		DIGITAL COMPRESSED SERVICE
7	3700 - 4200		36M0F8W	Space- to- Earth			2		DIGITAL COMPRESSED SERVICE



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C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc Deg. Long.		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1	13800 - 14000	12	139	12.8	15	110.3	113	-10.83	2
2	11700 - 12200	12	139	12.8	9	110.3	253.6		2
3	11450 - 12200	12	139	12.8	15	110.3	113		2
4	14000 - 14500	12	139	12.8	9	110.3	253.6	-2.32	2
5	10950 - 11200	12	139	12.8	15	110.3	113		2
6	5925 - 6425	12	139	12.8	9	110.3	254	0.04	2
7	3700 - 4200	12	139	12.8	9	110.3	254		2



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D) Points of Communications

#	Common Name	ITU Name	Orbit Location	Country	Destination Points	Permitted List
1	TELSTAR 12 V (S2933)	ORION F2(S2933)	15 W.L.			False
2	PERMITTED LIST					False
3	PERMITTED LIST					False



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E) Antenna Facilities

#	Site ID	Antenna ID	Units	Manufacturer	Model Number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	C1/C2	C1/C2	2	Viasat	8060		6.15	

Max Gains(s):

Maximum aggregate output EIRP for all carriers(dBW): 415

Maximum total input power at antenna flange(Watts): 83.48

2	C1C/C2C	C1C/C2C	2	VIASAT	8060		6.15	
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Max Gains(s):

Maximum aggregate output EIRP for all carriers(dBW): 415

Maximum total input power at antenna flange(Watts): 75.98

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions.



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H) Special and General Provisions:

A) This EARTH STATION AUTHORIZATION is granted subject to the following special provisions and general conditions.

- 4 --- Licensee must ensure that a current listing of the name, title, mailing address, email address, and telephone number of the responsible point of contact are on file at the FCC. Any changes must be filed electronically in the International Communications Filing System (ICFS) using the "Pleadings and Comments" link on the ICFS homepage within 10 days of the change.
- 5 --- Licensee must notify the Commission when this earth station is no longer operational or when it has not been used to provide any service during any 6-month operation.
- 6 --- Licensee must comply with the license modification application and notification requirements of 47 CFR §§ 25.117 and 25.118, as applicable, to change the coordinates of its authorized earth station.
- 480 --- The grant of this license is pursuant to NG52, which requires that signals received in the 10.7-11.7 GHz band be emanated from uplink transmissions outside the US&P.
- 2546 --- Operations with the satellite points of communication are limited to the frequencies identified on the FCC Current Authorizations List and the FCC Market Access List.
- 6662 --- The Permitted List in this authorization as a point of communication is limited to communications in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) bands.
- 90398 --- Changes to previously authorized transmitting facilities, operations and devices regulated by the Commission that may have significant environmental impact, and are not excluded by section 1.1306, require the preparation of an Environmental Assessment (EA) by the licensee. (See 47 CFR §§ 1.1307, 1.1308 and 1.1311)
- 90399 --- The licensee shall, at all times, take all necessary measures to ensure that operation of this (these) authorized earth station(s) do(es) not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR §§ 1.1307(b), 1.1310. Measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions, such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling, or by field measurements. The FCC's updated OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.
- 90405 --- Operations with PERMITTED LIST satellites must comply with 47 CFR § 25.212 levels and operations above these levels must be coordinated with satellite operators prior to operations.

900407 --- The Permitted Space Station List (Permitted List) is a list of all geostationary space stations providing fixed-satellite service pursuant to a Commission license or grant of U.S. market access. The Permitted List currently includes the following frequency bands per 47 CFR §§ 25.103, 25.115(k)(1): 3600-4200 MHz (space-to-Earth) 5850-6725 MHz (Earth-to-space) 10.95-11.2 GHz (space-to-Earth) 11.45-12.2 GHz (space-to-Earth) 13.75-14.5 GHz (Earth-to-space) 18.3-18.8 GHz (space-to-Earth) 19.7-20.2 GHz (space-to-Earth) 24.75-25.25 GHz (Earth-to-space) 28.35-28.6 GHz (Earth-to-space) 29.25-30.0 GHz (Earth-to-space). Earth stations with "Permitted List" designated as a point of communication may access any space station on the Permitted List, provided the operations comply with the applicable "routine" uplink and downlink limits, are within the specific frequency bands authorized in the earth station license, have completed coordination with terrestrial stations pursuant to 47 CFR § 25.203, and otherwise comply with all terms and conditions of both the earth station license and the space station grant.

B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulatees is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993." These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.