

# RADIO STATION AUTHORIZATION

Name: WALGREEN CO.

Call Sign: E880547

COMMUN

Authorization Type: Modification of License

File Number: SES-MOD-20180615-01081

Non Common Carrier

Grant date: 09/17/2018

04/08/2023 **Expiration Date:** 

Nature of Service: Fixed Satellite Service

Class of Station: VSAT Network

A) Site Location(s)

2100 200001011(5)			All	Elevation Elevation	
				Elevation	Special Provisions
Sita ID	Address	Latitude	Longitude	(Meters)	NAD (Refer to Section H)

# Site ID Latitude Longituae NAD (Refer to Section H) 1) HUB1 1084 MOUNT PROSPECT PLAZA 42°4'8.0"N 87°55'6.0"W 198.1 83 (6.1M. HUB) MOUNT PROSPECT, COOK, IL 60056 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209 2) REMOTE1 1084 MOUNT PROSPECT PLAZA NA (2.4M. VSAT), 1000 UNITS CONUS, PR, AK, HI VI, COOK, IL 60056 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209 3) REMOTE2 1084 MOUNT PROSPECT PLAZA NA (1.8M. VSAT), 5000 UNITS CONUS, PR, AK, HI VI, COOK, IL Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209 NA 4) REMOTE3 1084 MOUNT PROSPECT PLAZA (1.2M. VSAT), 7000 UNITS CONUS, PR, AK, HI VI, COOK, IL 60056 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209 5) REMOTE4 1084 MOUNT PROSPECT PLAZA NA (1.2M. VSAT), 7000 UNITS CONUS, PR, AK, HI, V, COOK, IL 60056 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209

6) REMOTES 1084 MOUNT PROSPECT PLAZA NA (0.98M. VSAT), 1500 UNITS CONUS, PR, AK, HI, V, COOK, IL 60056

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



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Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning April 8, 2008 (3 AM Eastern Standard Time) and ending April 8, 2023 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is September 17, 2019 (3 AM Eastern Standard Time). Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

### B) Particulars of Operations

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.

		1				Max EIRP	Max EIRP Density		Special Provisions			
	#	Frequency (MHz)	Polarization Code	ı Emission	Tx/Rx Mode	/Carrier	/Carrier (dBW/4kHz)	Associated Antenna	(Refer to Section H)	Modula Servic		
	1) :	14000.0000-14500.0000	H,V	12M0G7D	Тх	77.60	42.90	HUB1		PSK, 10MSPS	DATA,	OUTROUTE
	2)	14000.0000-14500.0000	H,V	36M0G7D	Tx	82.00	43.30	HUB1		PSK, 30MSPS	DATA,	OUTROUTE
	3) :	14000.0000-14500.0000	H,V	1M23G7D	Tx	69.30	43.30	HUB1	•	PSK, 1024KSE	DATA, PS	OUTROUTE
	4) :	11700.0000-12200.0000	H,V	307KG7D	Rx			HUB1		PSK, 256KSPS	DATA,	INROUTE
	5) :	11700.0000-12200.0000	H,V	1M60G7D	Rx			HUB1		PSK, 1024KSF	DATA,	INROUTE
	6) :	14000.0000-14500.0000	H,V	307KG7D	Tx	52.20	35.20	REMOTE1		PSK, 256KSPS	DATA,	INROUTE
	7) :	14000.0000-14500.0000	H,V	1M60G7D	Tx	52.20	35.20	REMOTE1		PSK, 1024KSE	DATA, PS	INROUTE
	8) :	11700.0000-12200.0000	H,V	12M0G7D	Rx			REMOTE1		PSK, 10MSPS	DATA,	OUTROUTE
	9) :	11700.0000-12200.0000	H,V	36M0G7D	Rx			REMOTE1		PSK, 30MSPS	DATA,	OUTROUTE
	10)	11700.0000-12200.0000	H,V	1M23G7D	Rx			REMOTE1		PSK, 1024KSE	DATA,	OUTROUTE
:	11) :	14000.0000-14500.0000	H,V	307KG7D	Tx	49.70	32.70	REMOTE2		PSK, 256KSPS	DATA,	INROUTE
:	12) :	14000.0000-14500.0000	H,V	1M60G7D	Τx	49.70	32.70	REMOTE2		PSK, 1024KSE	DATA,	INROUTE
;	13) :	11700.0000-12200.0000	H,V	12M0G7D	Rx			REMOTE2		PSK, 10MSPS	DATA,	OUTROUTE
;	14) :	11700.0000-12200.0000	H,V	36M0G7D	Rx			REMOTE2		PSK, 30MSPS	DATA,	OUTROUTE



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# B) Particulars of Operations

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.

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Frequency # (MHz)	Polarization Code	n Emission	Tx/Rx Mode	EIRP /Carrier (dBW)	Density /Carrier (dBW/4kHz)	Associated Antenna	Provisions (Refer to Section H)	Modulation/ Services	
15) 11700.0000-12200.000	0 H,V	1M23G7D	Rx			REMOTE2		PSK, DAT 1024KSPS	A, OUTROUTE
16) 14000.0000-14500.000	0 H,V	307KG7D	Tx	46.10	29.10	REMOTE3		PSK, DAT	TA, INROUTE
17) 14000.0000-14500.000	0 H,V	1M60G7D	Tx	46.10	29.10	REMOTE3		PSK, DATA 1024KSPS	, INROUTE
18) 11700.0000-12200.000	0 H,V	12M0G7D	Rx			REMOTE3		PSK, DAT 10MSPS	'A, OUTROUTE
19) 11700.0000-12200.000	0 H,V	36M0G7D	Rx			REMOTE3		PSK, DAT 30MSPS	A, OUTROUTE
20) 11700.0000-12200.000	0 H,V	1M23G7D	Rx			REMOTE3		PSK, DAT 1024KSPS	'A, OUTROUTE
21) 14000.0000-14500.000	0 H,V	307KG7D	Tx	46.10	29.10	REMOTE4		PSK, DA' 256KSPS	ra, inroute
22) 14000.0000-14500.000	0 H,V	1M60G7D	Tx	46.10	29.10	REMOTE4		PSK, DAT 1024KSPS	'A, OUTROUTE
23) 11700.0000-12200.000	0 H,V	12M0G7D	Rx			REMOTE4		PSK, DAT 10MSPS	A, OUTROUTE
24) 11700.0000-12200.000	0 H,V	36M0G7D	Rx			REMOTE4		PSK, DA' 256KSPS	TA, INROUTE
25) 11700.0000-12200.000	0 H,V	1M23G7D	Rx			REMOTE4		PSK, DAT 1024KSPS	A, OUTROUTE
26) 14000.0000-14500.000	0 H,V	307KG7D	Tx	44.30	27.30	REMOTE5		PSK, DA' 256KSPS	IA, INROUTE
27) 14000.0000-14500.000	0 H,V	1M60G7D	Tx	44.30	27.30	REMOTE5		PSK, DA' 1024KSPS	IA, INROUTE
28) 11700.0000-12200.000	0 H,V	12M0G7D	Rx			REMOTE5		PSK, DAT	'A, OUTROUTE
29) 11700.0000-12200.000	0 H,V	36M0G7D	Rx			REMOTE5		PSK, DAT 30MSPS	'A, OUTROUTE
30) 11700.0000-12200.000	0 H,V	1M23G7D	Rx			REMOTE5		PSK, DAT 1024KSPS	'A, OUTROUTE



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### C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.) East West Limit Limit	Elevation (Degrees) East West Limit Limit	Azimuth (Degrees) East West Limit Limit	Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
1)	14000.0000-14500.0000	80.0W-123.0W	40.8-29.9	168.3-226.4	-24.7	HUB1
2)	11700.0000-12200.0000	80.0W-123.0W	40.8-29.9	168.3-226.4		HUB1
3)	11700.0000-12200.0000	80.0W-123.0W	40.8-29.9	168.3-226.4		HUB1
4)	14000.0000-14500.0000	80.0W-123.0W	40.8-29.9	168.3-226.4	-24.7	REMOTE1
5)	11700.0000-12200.0000	80.0W-123.0W	40.8-29.9	168.3-226.4		REMOTE1
6)	14000.0000-14500.0000	80.0W-123.0W	40.8-29.9	168.3-226.4	-24.7	REMOTE2
7)	11700.0000-12200.0000	80.0W-123.0W	40.8-29.9	168.3-226.4		REMOTE2
8)	14000.0000-14500.0000	80.0W-123.0W	40.8-29.9	168.3-226.4	-24.7	REMOTE3
9)	11700.0000-12200.0000	80.0W-123.0W	40.8-29.9	168.3-226.4		REMOTE3
10)	14000.0000-14500.0000	80.0W-123.0W	40.8-29.9	168.3-226.4	-24.7	REMOTE4
11)	11700.0000-12200.0000	80.0W-123.0W	40.8-29.9	168.3-226.4		REMOTE4
12)	14000.0000-14500.0000	80.0W-123.0W	40.8-29.9	168.3-226.4	27.3	REMOTE5

### D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) HUB1 to GALAXY 17 (S2715) @ 91 degrees W.L. (U.S.-licensed)
- 2) REMOTE1 to GALAXY 17 (S2715) @ 91 degrees W.L. (U.S.-licensed)
- 3) REMOTE2 to GALAXY 17 (S2715) @ 91 degrees W.L. (U.S.-licensed)
- 4) REMOTE3 to GALAXY 17 (S2715) @ 91 degrees W.L. (U.S.-licensed)
- 5) REMOTE4 to GALAXY 17 (S2715) @ 91 degrees W.L. (U.S.-licensed)

Maximum aggregate output EIRP for all carriers (dBW) =

6) REMOTE5 to Permitted Space Station List

### E) Antenna Facilities

Si Il		Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
HUB1	HUB1	1	6.1	VERTEX	6.1 KPK	198.1	6.2 AGL/ 204.3 AMSL	
	Max Gains(s): Maximum total input		dBi @ at anten	11.9500 GHz na flange (Watts)	57.3 dBi @ 14.250 = 300.00	00 GHz		

82.00

FCC Form 488



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## E) Antenna Facilities

Site ID	Antenna ID	-	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
REMOTE1	REMOTE1	1000	2.4	PRODELIN	1244		2.5 AGL	
Maxi	-	-	it antenna	1.9500 GHz flange (Watts) l carriers (dBW	= 2.00	00 GHz		
REMOTE2	REMOTE2	5000	1.8	PRODELIN	1184		1.9 AGL	
Maxi	-		it antenna	1.9500 GHz flange (Watts) l carriers (dBW	= 2.00	00 GHz		
REMOTE3	REMOTE3	7000	1.2	PRODELIN	1123		1.3 AGL	
Maxi	-	-	it antenna	1.9500 GHz flange (Watts) l carriers (dBW	= 2.00	00 GHz		
REMOTE4	REMOTE4	7000	1.2	PRODELIN	1134		1.3 AGL	
Maxi	-	-	t antenna	1.9500 GHz flange (Watts) l carriers (dBW	= 2.00	00 GHz		
					000000		1 2GT	
Maxi			t antenna	PRODELIN 1.9500 GHz flange (Watts) l carriers (dBW	= 2.00	00 GHz	1 AGL	

## F) Remote Control Point:

REMOTE1

1084 MOUNT PROSPECT PLAZA, (2.4M. VSAT) Call Sign: E880547

MOUNT PROSPECT, COOK, IL 60056

224-542-6880



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F) Remote Control Point:

REMOTE2 1084 MOUNT PROSPECT PLAZA, (1.8M. VSAT) Call Sign: E880547

MOUNT PROSPECT, COOK, IL 60056

224-542-6880

REMOTE3 1084 MOUNT PROSPECT PLAZA, (1.2M. VSAT) Call Sign: E880547

MOUNT PROSPECT, COOK, IL 60056

224-542-6880

REMOTE4 1084 MOUNT PROSPECT PLAZA, (1.2M. VSAT) Call Sign: E880547

MOUNT PROSPECT, COOK, IL 60056

224-542-6880

REMOTE5 1084 MOUNT PROSPECT PLAZA, (0.98M. VSAT)

Call Sign:

MOUNT PROSPECT, COOK, IL 60056

224-542-6880

### G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions

### H) Special and General Provisions

- A) This RADIO 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 Bureau Filing System (IBFS) in the "Other Filings" tab 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 and notification requirements of 47 CFR § 25.118 to change the coordinates of its authorized earth station.
  - 160 --- This is granted without prejudice to any future FCC enforcement action against Walgreens in connection with any unauthorized operation of radio facilities.
  - 2068 --- The use of these small diameter earth station facilities is authorized pursuant to the Commission's Declaratory Order in Routine Licensing of Large Networks of Small Antenna Earth Stations Operating in the 12/14 GHz Frequency Bands released April 9, 1986.



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### H) Special and General Provisions

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

2325 --- Antennas and all antenna supporting structures used under this authorization shall not exceed 20 feet in height.

- 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 §1.1306, require the preparation of an Environmental Assessment (EA) by the licensee. (See 47 C.F.R. §§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) does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR §§ 1.1307(b) and 1.1310. Physical 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 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 satellite must comply with §25.212 levels and operations above this levels must coordinate 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 §25.103 and §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 §25.203, and otherwise comply with all terms and conditions of both the earth station license and the space station grant.



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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.

This authorization shall be automatically forfeited if the station is not ready for operation by the required date of completion of construction unless an application for modification of authorization to request additional time to complete construction is filed by that date, together with a showing that failure to complete construction by the required date was due to factors not under control of the grantee.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulates 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.

FCC Form 488