



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION**

RADIO STATION AUTHORIZATION

Speedcast LATAM Inc.

Call Sign: E050018

Authorization Type: Modification of License

File Number: SES-MOD-20210628-00993

Non Common Carrier

Grant date: 08/09/2021

Expiration Date: 03/23/2035

Nature of Service: Fixed Satellite Service

Class of Station: Fixed Earth Stations

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
1)	1	15590 N.W. 15TH AVE. MIAMI, DADE, FL 33169	25°54'59.3"N	80°13'29.2"W	1.83	83

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

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 March 23, 2020 (3 AM Eastern Standard Time) and ending March 23, 2035 (3 AM Eastern Standard Time) . The required date of completion of construction and commencement of operation is August 9, 2022 (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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	6419.9650-6425.0000	H, V	299KG7W	Tx	44.90	26.17	1251C		DIGITAL
2)	6167.9250-6182.0650	H, V	299KG7W	Tx	44.90	26.17	1251C		DIGITAL
3)	5925.0000-5930.2000	H, V	299KG7W	Tx	44.90	26.17	1251C		DIGITAL
4)	6391.0000-6425.0000	H, V, L, R	128KG7D	Tx	59.00	44.00	4.5 C		digital modulation, voice and data services
5)	6391.0000-6425.0000	H, V, L, R	34M0G7W	Tx	67.70	28.40	4.5 C		digital modulation, voice and data services
6)	6331.0000-6359.0000	H, V, L, R	128KG7D	Tx	59.00	44.00	4.5 C		digital modulation, voice and data services
7)	6331.0000-6359.0000	H, V, L, R	28M0G7W	Tx	67.70	29.30	4.5 C		digital modulation, voice and data services
8)	6272.0000-6299.0000	H, V, L, R	128KG7D	Tx	59.00	44.00	4.5 C		digital modulation, voice and data services



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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
9)	6272.0000-6299.0000	H, V, L, R	27M0G7W	Tx	67.70	29.40	4.5 C		digital modulation, voice and data services
10)	6168.0000-6240.0000	H, V, L, R	128KG7D	Tx	59.00	44.00	4.5 C		digital modulation, voice and data services
11)	6168.0000-6240.0000	H, V, L, R	45M0G7W	Tx	67.70	27.20	4.5 C		digital modulation, voice and data services
12)	6079.0000-6107.0000	H, V, L, R	128KG7D	Tx	59.00	44.00	4.5 C		digital modulation, voice and data services
13)	6079.0000-6107.0000	H, V, L, R	28M0G7W	Tx	67.70	29.30	4.5 C		digital modulation, voice and data services
14)	6020.0000-6047.0000	H, V, L, R	128KG7D	Tx	59.00	44.00	4.5 C		digital modulation, voice and data services
15)	6020.0000-6047.0000	H, V, L, R	27M0G7W	Tx	67.70	29.40	4.5 C		digital modulation, voice and data services
16)	5961.0000-5988.0000	H, V, L, R	128KG7D	Tx	59.00	44.00	4.5 C		digital modulation, voice and data services
17)	5961.0000-5988.0000	H, V, L, R	27M0G7W	Tx	67.70	29.40	4.5 C		digital modulation, voice and data services
18)	5925.0000-6425.0000	H, V, L, R	128KG7D	Tx	52.80	37.80	4.5 C		digital modulation, voice and data services
19)	5925.0000-6425.0000	H, V, L, R	45M0G7W	Tx	67.70	27.20	4.5 C		digital modulation, voice and data services
20)	5925.0000-5929.0000	H, V, L, R	128KG7D	Tx	67.70	37.70	4.5 C		digital modulation, voice and data services
21)	5925.0000-5929.0000	H, V, L, R	4M00G7W	Tx	59.00	44.00	4.5 C		digital modulation, voice and data services
22)	3700.0000-4200.0000	H, V, L, R	128KG7D	Rx			4.5 C		digital modulation, voice and data services
23)	3700.0000-4200.0000	H, V, L, R	45M0G7W	Rx			4.5 C		digital modulation, voice and data services
24)	14000.0000-14500.0000	H, V	128KG7D	Tx	54.95	39.90	4.5 Ku		digital modulation, voice and data services
25)	14000.0000-14500.0000	H, V	45M0G7W	Tx	74.86	34.35	4.5 Ku		digital modulation, voice and data services
26)	11700.0000-12200.0000	H, V	128KG7D	Rx			4.5 Ku		digital modulation, voice and data services



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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
27)	11700.0000-12200.0000	H, V	45M0G7W	Rx	0.00		4.5 Ku		digital modulation, voice and data services
28)	5925.0000-6425.0000	H, V	1M00G7D	Tx	48.90	24.90	9797BC		DIGITAL
29)	5925.0000-6425.0000	H, V	20M0G7D	Tx	57.00	24.90	9797BC		DIGITAL
30)	14000.0000-14500.0000	H, V	1M23G7W	Tx	68.00	43.10	ASC5.6		Data
31)	14000.0000-14500.0000	H, V	36M0G7W	Tx	82.60	43.10	ASC5.6		Data
32)	14000.0000-14500.0000	H, V	51K2G7W	Tx	54.17	43.10	ASC5.6		Data
33)	14000.0000-14500.0000	H, V	578KG7W	Tx	64.70	43.10	ASC5.6		Data
34)	11700.0000-12200.0000	H, V	1M23G7W	Rx			ASC5.6		Data
35)	11700.0000-12200.0000	H, V	51K2G7W	Rx			ASC5.6		Data
36)	6391.0000-6425.0000	H, V, L, R	128KG7D	Tx	59.00	44.00	ES 2C		digital modulation, forward error correction, and data rate configurations w/various
37)	6391.0000-6425.0000	H, V, L, R	34M0G7W	Tx	67.70	28.40	ES 2C		digital modulation, forward error correction, and data rate configurations w/various
38)	6331.0000-6359.0000	H, V, L, R	128KG7D	Tx	59.00	44.00	ES 2C		digital modulation, forward error correction, and data rate configurations w/various
39)	6331.0000-6359.0000	H, V, L, R	28M0G7W	Tx	67.70	29.30	ES 2C		digital modulation, forward error correction, and data rate configurations w/various
40)	6272.0000-6299.0000	H, V, L, R	128KG7D	Tx	59.00	44.00	ES 2C		digital modulation, forward error correction, and data rate configurations w/various
41)	6272.0000-6299.0000	H, V, L, R	27M0G7W	Tx	67.70	29.40	ES 2C		digital modulation, forward error correction, and data rate configurations w/various



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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
42)	6168.0000-6240.0000	H, V, L, R	128KG7D	Tx	59.00	44.00	ES 2C		digital modulation, forward error correction, and data rate configurations
43)	6168.0000-6240.0000	H, V, L, R	45M0G7W	Tx	67.70	27.20	ES 2C		digital modulation, forward error correction, and data rate configurations
44)	6079.0000-6107.0000	H, V, L, R	128KG7D	Tx	59.00	44.00	ES 2C		digital modulation, forward error correction, and data rate configurations
45)	6079.0000-6107.0000	H, V, L, R	28M0G7W	Tx	67.70	29.30	ES 2C		digital modulation, forward error correction, and data rate configurations
46)	6020.0000-6047.0000	H, V, L, R	128KG7W	Tx	59.00	44.00	ES 2C		digital modulation, forward error correction, and data rate configurations
47)	6020.0000-6047.0000	H, V, L, R	27M0G7W	Tx	67.70	29.40	ES 2C		digital modulation, forward error correction, and data rate configurations
48)	5961.0000-5988.0000	H, V, L, R	128KG7D	Tx	59.00	44.00	ES 2C		digital modulation, forward error correction, and data rate configurations
49)	5961.0000-5988.0000	H, V, L, R	27M0G7W	Tx	67.70	29.40	ES 2C		digital modulation, forward error correction, and data rate configurations
50)	5925.0000-6425.0000	H, V, L, R	128KG7D	Tx	52.80	37.80	ES 2C		digital modulation, forward error correction, and data rate configurations
51)	5925.0000-6425.0000	H, V, L, R	45M0G7W	Tx	67.70	27.20	ES 2C		digital modulation, forward error correction, and data rate configurations



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52)	5925.0000-5929.0000	H, V, L, R	128KG7D	Tx	67.70	37.70	ES 2C		digital modulation, forward error correction, and data rate configurations
53)	5925.0000-5929.0000	H, V, L, R	45M0G7W	Tx	49.00	44.00	ES 2C		digital modulation, forward error correction, and data rate configurations
54)	3700.0000-4200.0000	H, V, L, R	128KG7D	Rx			ES 2C		digital modulation, forward error correction, and data rate configurations
55)	3700.0000-4200.0000	H, V, L, R	45M0G7W	Rx			ES 2C		digital modulation, forward error correction, and data rate configurations
56)	14000.0000-14500.0000	H, V	128KG7D	Tx	54.95	39.90	ES 2Ku		digital modulation, forward error correction, and data rate configurations
57)	14000.0000-14500.0000	H, V	45M0G7W	Tx	74.86	34.35	ES 2Ku		digital modulation, forward error correction, and data rate configurations
58)	13750.0000-14000.0000	H, V	128KG7D	Tx	55.00	39.90	ES 2Ku		DIGITAL MODULATION, VOICE AND DATA SERVICES
59)	13750.0000-14000.0000	H, V	36M0G7W	Tx	74.90	35.35	ES 2Ku		DIGITAL MODULATION, VOICE AND DATA SERVICES
60)	11700.0000-12200.0000	H, V	128KG7D	Rx			ES 2Ku		digital modulation, forward error correction, and data rate configurations
61)	11700.0000-12200.0000	H, V	45M0G7W	Rx			ES 2Ku		digital modulation, forward error correction, and data rate configurations
62)	14000.0000-14500.0000	H, V	128KG7D	Tx	56.05	41.00	ES 3		digital modulation, forward error correction, and data rate configurations



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63)	14000.0000-14500.0000	H, V	45M0G7W	Tx	75.96	35.45	ES 3		digital modulation, forward error correction, and data rate configurations w/various
64)	11700.0000-12200.0000	H, V	128KG7D	Rx			ES 3		digital modulation, forward error correction, and data rate configurations w/various
65)	11700.0000-12200.0000	H, V	45M0G7W	Rx			ES 3		digital modulation, forward error correction, and data rate configurations w/various
66)	14000.0000-14500.0000	H, V	128KG7D	Tx	60.75	45.70	ES 4KU		DIGITAL
67)	14000.0000-14500.0000	H, V	45M0G7W	Tx	81.50	40.98	ES 4KU		DIGITAL
68)	11700.0000-12200.0000	H, V	45M0G7W	Rx			ES 4KU		DIGITAL
69)	11700.0000-12200.0000	H, V	128KG7D	Rx	0.00		ES 4KU		DIGITAL
70)	14000.0000-14500.0000	H, V	128KG7D	Tx	54.25	39.20	ES 5KU		DIGITAL
71)	14000.0000-14500.0000	H, V	45M0G7W	Tx	65.96	25.44	ES 5KU		DIGITAL
72)	11700.0000-12200.0000	H, V	128KG7D	Rx			ES 5KU		DIGITAL
73)	11700.0000-12200.0000	H, V	45M0G7W	Rx			ES 5KU		DIGITAL
74)	5925.0000-6425.0000	H, V	1M00G7D	Tx	48.90	24.90	V240MC		DIGITAL
75)	5925.0000-6425.0000	H, V	20M0G7D	Tx	61.90	24.90	V240MC		DIGITAL
76)	5925.0000-6425.0000	H, V	1M00G7D	Tx	48.90	24.90	V249MTC		DIGITAL
77)	5925.0000-6425.0000	H, V	20M0G7D	Tx	61.90	24.90	V249MTC		DIGITAL
78)	14000.0000-14500.0000	H, V	160MD7W	Tx	74.70	28.68	VERTEX		DIGITAL
79)	11700.0000-12200.0000	H, V	160MD7W	Rx			VERTEX		DIGITAL
80)	14000.0000-14500.0000	H, V	1M20G7D	Tx	68.07	43.30	VTEX6.1		Data
81)	14000.0000-14500.0000	H, V	36M0G7D	Tx	82.84	43.30	VTEX6.1		Data
82)	11700.0000-12200.0000	H, V	150KG7D	Rx			VTEX6.1		Data



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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
83)	11700.0000-12200.0000	H, V	9M75G7D	Rx			VTEX6.1		Data

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)	6391.0000-6425.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	4.5 C
2)	5961.0000-5988.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	4.5 C
3)	5925.0000-5929.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	4.5 C
4)	5925.0000-6425.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	-5.96	4.5 C
5)	6020.0000-6047.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	4.5 C
6)	6079.0000-6107.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	4.5 C
7)	6168.0000-6240.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	4.5 C
8)	6272.0000-6299.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	4.5 C
9)	6331.0000-6359.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	4.5 C
10)	14000.0000-14500.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	-10.47	4.5 Ku
11)	11700.0000-12200.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3		4.5 Ku
12)	11700.0000-12200.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3		ES 3
13)	14000.0000-14500.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	-15	ES 3
14)	5925.0000-5929.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	ES 2C
15)	5925.0000-6425.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	-5.96	ES 2C
16)	5961.0000-5988.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	ES 2C
17)	6020.0000-6047.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	ES 2C
18)	6079.0000-6107.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	ES 2C
19)	6168.0000-6240.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	ES 2C
20)	6272.0000-6299.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	ES 2C
21)	6331.0000-6359.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	ES 2C
22)	6391.0000-6425.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	0.24	ES 2C
23)	11700.0000-12200.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3		ES 2Ku
24)	14000.0000-14500.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	-10.47	ES 2Ku
25)	13750.0000-14000.0000	61.0W	-61.0W	52.9	-52.9	141.4	-141.4	-10.47	ES 2Ku



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		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
26)	14000.0000-14500.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	-11	ES 4KU
27)	11700.0000-12200.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3		ES 4KU
28)	14000.0000-14500.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	-11	ES 5KU
29)	11700.0000-12200.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3		ES 5KU
30)	5925.0000-6425.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	-12	V240MC
31)	5925.0000-6425.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	-12	V249MTC
32)	5925.0000-6425.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	-9.5	9797BC
33)	5925.0000-5930.2000	114.0W	-115.0W	41.9	-41.1	236.8	-237.8	-32.4	1251C
34)	6419.9650-6425.0000	114.0W	-115.0W	41.9	-41.1	236.8	-237.8	-32.4	1251C
35)	6167.9250-6182.0650	114.0W	-115.0W	41.9	-41.1	236.8	-237.8	-32.4	1251C
36)	14000.0000-14500.0000	29.0W	-30.0W	26.5	-27.4	109.3	-110.0	-39.6	VERTEX
37)	11700.0000-12200.0000	29.0W	-30.0W	26.5	-27.4	109.3	-110.0		VERTEX
38)	14000.0000-14500.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	-6.2	ASC5.6
39)	11700.0000-12200.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3		ASC5.6
40)	14000.0000-14500.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3	-15.84	VTEX6.1
41)	17000.0000-12200.0000	15.0W	-143.0W	13.7	-15.9	101.4	-257.3		VTEX6.1

D) Points of Communications

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

- 1) 1 to Permitted Space Station List
- 2) 1 to New Skies Satellite, NSS-7 (S2854) @ 20 W.L. (U.S.-licensed)
- 3) 1 to SOLIDARIDAD F-2 @ 113.0 W.L. (Mexican-licensed) (Non-U.S.-licensed)
- 4) 1 to AMAZONAS 1 (S2622) @ 55.5° W.L. (Brazil-licensed)
- 5) 1 to HISPASAT @ 30.0 W.L. satellite(s) of the Spanish satellite system. (Non-U.S.-licensed)
- 6) 1 to AMAZONAS 2 (S2793) @ 61° W.L. (Brazil-licensed)
- 7) 1 to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 8) 1 to Intelsat 904 (S2408) @ 29.5 degrees W.L. (U.S.-licensed)



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RADIO STATION AUTHORIZATION

Speedcast LATAM Inc.

Call Sign: E050018

Authorization Type: Modification of License

File Number: SES-MOD-20210628-00993

Non Common Carrier

Grant date: 08/09/2021

Expiration Date: 03/23/2035

E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	1251C	1	2.4	PRODELIN	1251	1.83	16 AGL	
	Max Gains(s):		42.0 dBi @	6.1750 GHz				
	Maximum total input power at antenna flange (Watts) =				30.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				44.90			
1	4.5 C	1	4.5	ANDREW CORPORATION	4.5 Meter	1.83	5.2 AGL/ 7.02 AMSL	
	Max Gains(s):		43.9 dBi @	4.0000 GHz	46.7 dBi @	6.1000 GHz		
	Maximum total input power at antenna flange (Watts) =				125.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				67.70			
1	4.5 Ku	1	4.5	ANDREW CORPORATION	ES45MP-1	1.83	5.2 AGL/ 7.02 AMSL	
	Max Gains(s):		52.4 dBi @	12.0000 GHz	53.9 dBi @	14.0000 GHz		
	Maximum total input power at antenna flange (Watts) =				125.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				74.86			
1	9797BC	1	2.4	SEATEL	9797B	1.83	5.2 AGL/ 7.02 AMSL	
	Max Gains(s):		41.7 dBi @	6.1800 GHz				
	Maximum total input power at antenna flange (Watts) =				37.15			
	Maximum aggregate output EIRP for all carriers (dBW) =				57.00			
1	ASC5.6	1	5.6	ASC SIGNAL	5.6MESA	1.83	6 AGL/ 7 AMSL	
	Max Gains(s):		55.7 dBi @	12.0000 GHz	57.1 dBi @	14.0000 GHz		
	Maximum total input power at antenna flange (Watts) =				750.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				85.85			
1	ES 2C	1	4.5	ANDREW CORPORATION	ES45MP-1	1.83	5.2 AGL/ 7.02 AMSL	
	Max Gains(s):		43.9 dBi @	4.0000 GHz	46.7 dBi @	6.1000 GHz		
	Maximum total input power at antenna flange (Watts) =				125.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				67.70			



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Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	ES 2Ku	1	4.5	ANDREW CORPORATION	ES45MP-1	1.83	5.2 AGL/ 7.02 AMSL	
	Max Gains(s):	52.4 dBi @	12.0000 GHz	53.9 dBi @	14.0000 GHz			
	Maximum total input power at antenna flange (Watts) =				125.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				74.86			
1	ES 3	1	4.6	ANDREW CORPORATION	ES46MP-1	1.83	4.9 AGL/ 6.73 AMSL	
	Max Gains(s):	53.0 dBi @	12.0000 GHz	55.0 dBi @	14.0000 GHz			
	Maximum total input power at antenna flange (Watts) =				125.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				75.96			
1	ES 4KU	1	8.1	GENERAL DYNAMICS (VERTEX/RSI)	GD 8.1	1.83	10.1 AGL/ 11.9 AMSL	
	Max Gains(s):	58.0 dBi @	11.7250 GHz	59.7 dBi @	14.1250 GHz			
	Maximum total input power at antenna flange (Watts) =				150.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				81.50			
1	ES 5KU	1	3.8	PRDELIN	1385	1.83	5 AGL/ 6.8 AMSL	
	Max Gains(s):	51.7 dBi @	11.8000 GHz	53.2 dBi @	14.1250 GHz			
	Maximum total input power at antenna flange (Watts) =				18.90			
	Maximum aggregate output EIRP for all carriers (dBW) =				65.96			
1	V240MC	1	2.4	INTELLIAN	V240M	1.83	5.2 AGL/ 7.02 AMSL	
	Max Gains(s):	41.9 dBi @	6.1375 GHz					
	Maximum total input power at antenna flange (Watts) =				112.50			
	Maximum aggregate output EIRP for all carriers (dBW) =				61.90			
1	V249MTC	1	2.4	INTELLIAN	V240MT	1.83	5.2 AGL/ 7.02 AMSL	
	Max Gains(s):	41.1 dBi @	6.1400 GHz					
	Maximum total input power at antenna flange (Watts) =				120.20			
	Maximum aggregate output EIRP for all carriers (dBW) =				61.90			



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E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	VERTEX	1	13	VERTEX	K13K	1.83	16 AGL	
	Max Gains(s):		63.7 dBi @	14.2500 GHz	61.9 dBi @	11.9500 GHz		
	Maximum total input power at antenna flange (Watts) =					12.60		
	Maximum aggregate output EIRP for all carriers (dBW) =					74.70		
1	VTEX6.1	1	6.1	VERTEX	6.1KPK	1.83	7 AGL/ 8 AMSL	
	Max Gains(s):		55.7 dBi @	11.7000 GHz	57.3 dBi @	14.0000 GHz		
	Maximum total input power at antenna flange (Watts) =					660.00		
	Maximum aggregate output EIRP for all carriers (dBW) =					85.51		

F) Remote Control Point:

1	6941 W 19 CT. HIALEAH, DADE, FL 33014 3056276010	Call Sign:
1	15590 NW 15TH AVENUE MIAMI, DADE, FL 33169 305 914-1278	Call Sign:
1	9427 FONTAINE BLEAU BLVD MIAMI, DADE, FL 33172 3056276010	Call Sign:

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 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 (MyIBFS) using the "Pleadings and Comments" link on the MyIBFS homepage within 10 days of the change.
- 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.
- 8 --- Licensee must notify the Commission when all earth stations under this authorization are no longer operational or when they have not been used to provide service during any continuous six-month period.
- 182 --- Operations in the 13.75-14.0 GHz band below 68 dBW (Footnote US356 of the Table of Frequency Allocations) are permitted on an unprotected basis.
- 2701 --- This authorization does not authorize New Skies Satellites, N.V., to provide any Direct-to-Home service, Direct Broadcast Satellite service, or Digital Audio Radio Service to, from, or within the United States using the NSS-7 satellite.
- 3220 --- Licensee shall ensure that the antenna does not create the potential for exposure of persons who may be within the immediate vicinity to radiofrequency radiation in excess of FCC safety guidelines defined in 47 C.F.R. Section 1.1307(b)(1) and 1.1310. Licensee shall take precautions to ensure compliance with FCC guidelines for exposure to RF radiation. This will include use of a warning label on the transmitting antennas, and a radome or an automatic shut off system. Only technically trained professionals shall install the antennas. These installers shall place the antennas only at locations that are not readily accessible to the general public.
- 9975 --- All operations on 3700-4200 MHz band are on an unprotected basis. The licensee shall not claim protection from, and is required to accept interference from, other lawfully operating satellites or radio communication systems.
- 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 these levels must coordinate with satellite operators prior to operations.



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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:

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 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.