UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION AUTHORIZATION

Name: Airbus DS SatCom Government, Inc. **Call Sign:** KA312
Authorization Type: Modification of License **File Number:** SES-MFS-20140630-00546
Non Common Carrier **Grant date:** 08/28/2015 **Expiration Date:** 02/27/2024

Nature of Service: Fixed Satellite Service

Class of Station: Fixed Earth Stations

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1)	SBY20	2120 RIVER ROAD (new C-band Hub Antenna) SOUTHBURY, NEW HAVEN, CT 96488	41°27'6.3"N	73°17'16.4"W	36.6	83	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
2)	SOUTHBURY	2120 RIVER RD. SOUTHBURY, NEW HAVEN, CT 06488	41°27'6.3"N	73°17'21.4"W	36.6	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 February 27, 2009 (3 AM Eastern Standard Time) and ending February 27, 2024 (3 AM Eastern Standard Time) . The required date of completion of construction and commencement of operation is January 21, 2016 (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)	1626.5000-1660.5000	L,R	NON	Tx	31.00	31.00	1.52M		PILOT
2)	1626.5000-1660.5000	L,R	24K0F3E	Tx	36.00	33.70	1.52M		ANALOG CARRIER
3)	1626.5000-1660.5000	L,R	10K5G2F	Tx	36.00	31.80	1.52M		DIGTIAL CARRIER
4)	1626.5000-1660.5000	L,R	1K20G1D	Tx	36.00	36.00	1.52M		DIGTIAL CARRIER
5)	1626.5000-1660.5000	L,R	1K20G2D	Tx	36.00	36.00	1.52M		DIGTIAL CARRIER

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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
6)	1626.5000-1660.5000	L,R	2K40G2D	Tx	36.00	36.00	1.52M		DIGTIAL CARRIER
7)	1626.5000-1660.5000	L,R	600HG1D	Tx	36.00	36.00	1.52M		DIGTIAL CARRIER
8)	1626.5000-1660.5000	L,R	600HG2D	Tx	36.00	36.00	1.52M		DIGTIAL CARRIER
9)	1626.5000-1649.5000	L,R	10K5G1E	Tx	31.20	27.00	1.52M		AERO
10)	1626.5000-1649.5000	L,R	1K20G1D	Tx	18.00	18.00	1.52M		AERO
11)	1626.5000-1649.5000	L,R	2K40G1D	Tx	21.00	21.00	1.52M		AERO
12)	1626.5000-1649.5000	L,R	600HG1D	Tx	15.00	15.00	1.52M		AERO
13)	1626.5000-1647.5000	L,R	NON	Tx	37.00	37.00	1.52M		PILOT
14)	1626.5000-1647.5000	L,R	1K20G1D	Tx	16.00	16.00	1.52M		STD-C
15)	1626.5000-1647.5000	L,R	600HG1D	Tx	16.00	16.00	1.52M		STD-C
16)	1626.5000-1647.5000	L,R	30K0F3E	Tx	37.00	33.70	1.52M		STA A VOICE
17)	1626.5000-1647.5000	L,R	4K80G1D	Tx	37.00	37.00	1.52M		STD A TELEX
18)	1574.4000-1576.6000	L,R	10K5G2F	Rx			1.52M		DIGTIAL CARRIER
19)	1574.4000-1576.6000	L,R	1K20G1D	Rx			1.52M		DIGTIAL CARRIER
20)	1574.4000-1576.6000	L,R	1K20G2D	Rx			1.52M		DIGTIAL CARRIER
21)	1574.4000-1576.6000	L,R	2K40G1D	Rx			1.52M		DIGTIAL CARRIER
22)	1574.4000-1576.6000	L,R	600HG1D	Rx			1.52M		DIGTIAL CARRIER
23)	1574.4000-1576.6000	L,R	600HG2D	Rx			1.52M		DIGTIAL CARRIER
24)	1530.0000-1548.0000	L,R	10K5G1E	Rx			1.52M		AERO
25)	1530.0000-1548.0000	L,R	1K20G1D	Rx			1.52M		AERO
26)	1530.0000-1548.0000	L,R	2K40G1D	Rx			1.52M		AERO
27)	1530.0000-1548.0000	L,R	600HG1D	Rx			1.52M		AERO
28)	1530.0000-1545.0000	L,R	NON	Rx			1.52M		PILOT
29)	1530.0000-1545.0000	L,R	1K20G1D	Rx			1.52M		STD-C

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B) Particulars of Operations

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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
30)	1530.0000-1545.0000	L,R	600HG1D	Rx			1.52M		STD-C
31)	1530.0000-1545.0000	L,R	1K20G1D	Rx			1.52M		STRD A TELEX
32)	1530.0000-1545.0000	L,R	30K0F3E	Rx			1.52M		STD A VOICE
33)	1525.0000-1599.0000	L,R	10K5G2F	Rx			1.52M		DIGTIAL CARRIER
34)	1525.0000-1599.0000	L,R	1K20G1D	Rx			1.52M		DIGTIAL CARRIER
35)	1525.0000-1599.0000	L,R	1K20G2D	Rx	0.00	0.00	1.52M		DIGTIAL CARRIER
36)	1525.0000-1559.0000	L,R	2K40G1D	Rx	0.00	0.00	1.52M		DIGTIAL CARRIER
37)	1525.0000-1559.0000	L,R	600HG2D	Rx	0.00	0.00	1.52M		DIGTIAL CARRIER
38)	6454.4000-6456.6000	L,R	1K20G1D	Tx	42.50	42.50	11M		DIGTIAL CARRIER
39)	6454.4000-6456.6000	L,R	10K5G2F	Tx	42.50	38.30	11M		DIGTIAL CARRIER
40)	6454.4000-6456.6000	L,R	1K20G2D	Tx	42.50	42.50	11M		DIGTIAL CARRIER
41)	6454.4000-6456.6000	L,R	2K40G2D	Tx	42.50	42.50	11M		DIGTIAL CARRIER
42)	6454.4000-6456.6000	L,R	2M20G1D	Tx	78.00	50.60	11M		DIGTIAL CARRIER
43)	6454.4000-6456.6000	L,R	600HG1D	Tx	42.50	42.50	11M		DIGTIAL CARRIER
44)	6454.4000-6456.6000	L,R	600HG2D	Tx	42.50	42.50	11M		DIGTIAL CARRIER
45)	6454.4000-6456.6000	L,R	2M20G1D	Tx	82.30	54.90	11M		BPSK SPREAD SPECTRUM DATA (NAVIGATION) TO SUPPORT FAA-WASS PROGRAM
46)	6425.0000-6454.0000	L,R	10K5G2F	Tx	42.50	38.30	11M		DIGTIAL CARRIER
47)	6425.0000-6454.0000	L,R	1K20G1D	Tx	42.50	42.50	11M		DIGTIAL CARRIER
48)	6425.0000-6454.0000	L,R	1K20G2D	Tx	42.50	42.50	11M		DIGTIAL CARRIER
49)	6425.0000-6454.0000	L,R	2K40G2D	Tx	42.50	42.50	11M		DIGTIAL CARRIER
50)	6425.0000-6454.0000	L,R	2M20G1D	Tx	78.00	50.60	11M		DIGTIAL CARRIER
51)	6425.0000-6454.0000	L,R	2M20G1D	Tx	82.30	54.90	11M		DIGTIAL CARRIER
52)	6425.0000-6454.0000	L,R	600HG1D	Tx	42.50	42.50	11M		DIGTIAL CARRIER

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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.

#	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
53)	6425.0000-6454.0000	L,R	600HG2D	Tx	42.50	42.50	11M		DIGTIAL CARRIER
54)	6417.5000-6443.0000	L,R	6K00G1D	Tx			11M		INM B,C,M, FEEDERLINK
55)	6417.5000-6443.0000	L,R	12K0G1D	Tx			11M		INM B,C,M, FEEDERLINK
56)	6417.5000-6443.0000	L,R	4K00G1D	Tx			11M		INM B,C,M, FEEDERLINK
57)	6417.5000-6443.0000	L,R	4K00G3E	Tx			11M		INM B,C,M, FEEDERLINK
58)	6417.5000-6443.0000	L,R	7K50G3E	Tx			11M		INM B,C,M, FEEDERLINK
59)	6417.5000-6443.0000	L,R	1K20G1D	Tx	65.00	65.00	11M		AERO, FEEDERLINK
60)	6417.5000-6443.0000	L,R	600HG1D	Tx	65.00	65.00	11M		AERO, FEEDERLINK
61)	6417.5000-6443.0000	L,R	2K40G1D	Tx	65.00	65.00	11M		TDM, AERO, FEEDERLINK
62)	6417.5000-6443.0000	L,R	10K5G1E	Tx	69.20	65.00	11M		DIGITAL VOICE, AERO, FEEDERLINK
63)	6417.5000-6440.0000	L,R	NON	Tx	77.00	77.00	11M		PILOT
64)	6417.5000-6440.0000	L,R	1K20G1D	Tx	77.00	77.00	11M		TDM, STD-C, FEEDERLINK
65)	6417.5000-6440.0000	L,R	1K20G1D	Tx	77.00	77.00	11M		TDM, STD-A, TELEX, FEEDERLINK
66)	6417.5000-6440.0000	L,R	30K0F3E	Tx	77.00	77.00	11M		ANALOG STD-A, VOICE, FEEDERLINK
67)	5925.0000-6425.0000	H,V,L,R	18M0F8F-	Tx	80.50	53.50	11M		ANALOG VIDEO
68)	5925.0000-6425.0000	H,V,L,R	36M0F8F	Tx	80.50	53.50	11M		ANALOG VIDEO
69)	5925.0000-6425.0000	H,V,L,R	4M00G7F-	Tx	85.80	46.30	11M		DIGITAL VIDEO
70)	5925.0000-6425.0000	H,V,L,R	36M0G7F	Tx	81.30	51.30	11M		DIGITAL VIDEO
71)	5925.0000-6425.0000	H,V,L,R	21K9G7D-	Tx	85.80	43.20	11M		DIGITAL DATA
72)	5925.0000-6425.0000	H,V,L,R	72M0G7D	Tx	58.70	51.30	11M		DIGITAL DATA
73)	4192.5000-4200.0000	L,R	12K0G1D	Rx			11M		INM B,C,M
74)	4192.5000-4200.0000	L,R	12K0G3E	Rx			11M		INM B,C,M
75)	4192.5000-4200.0000	L,R	3K00G1E	Rx			11M		INM B,C,M

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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.

#	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
76)	4192.5000-4200.0000	L,R	4K00G1D	Rx			11M		INM B,C,M
77)	4192.5000-4200.0000	L,R	4K00G3E	Rx			11M		INM B,C,M
78)	4192.5000-4200.0000	L,R	7K50G3E	Rx			11M		INM B,C,M
79)	4192.5000-4200.0000	L,R	2K40G1D	Rx			11M		TDM, AERO, FEEDERLINK
80)	4192.5000-4200.0000	L,R	1K20G1D	Rx			11M		TDM, STD-C, AERO FEEDERLINK
81)	4192.5000-4200.0000	L,R	600HG1D	Rx			11M		TDM, STD-C, AERO FEEDERLINK
82)	4192.5000-4200.0000	L,R	10K5G1E	Rx			11M		TDM, STD-C, AERO FEEDERLINK
83)	4192.5000-4200.0000	L,R	4K80G1D	Rx			11M		TDM, STD-C, AERO FEEDERLINK
84)	4192.5000-4200.0000	L,R	NON	Rx			11M		PILOT
85)	3700.0000-4200.0000	H,V,L,R	18M0F8F-	Rx			11M		ANALOG VIDEO
86)	3700.0000-4200.0000	H,V,L,R	36M0F8F	Rx			11M		ANALOG VIDEO
87)	3700.0000-4200.0000	H,V,L,R	4M00G7F-	Rx			11M		DIGITAL VIDEO
88)	3700.0000-4200.0000	H,V,L,R	36M0G7F	Rx			11M		DIGITAL VIDEO
89)	3700.0000-4200.0000	H,V,L,R	21K9G7D-	Rx			11M		DIGITAL DATA
90)	3700.0000-4200.0000	H,V,L,R	72M0G7D	Rx			11M		DIGITAL DATA
91)	3629.4000-3631.6000	L,R	2M20G1D	Rx			11M		BPSK SPREAD SPECTRUM DATA (NAVIGATION) TO SUPPORT FAA-WASS PROGRAM
92)	3600.0000-3629.0000	L,R	2M20G1D	Rx			11M		DIGITAL CARRIER
93)	3600.0000-3623.0000	L,R	10K5G1E	Rx			11M		DIGITAL VOICE, AERO
94)	3600.0000-3623.0000	L,R	12K0G1D	Rx			11M		INM B,C,M, FEEDERLINK
95)	3600.0000-3623.0000	L,R	12K0G3E	Rx			11M		INM B,C,M, FEEDERLINK
96)	3600.0000-3623.0000	L,R	3K00G1D	Rx			11M		INM B,C,M, FEEDERLINK
97)	3600.0000-3623.0000	L,R	4K00G1D	Rx			11M		INM B,C,M, FEEDERLINK

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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
98)	3600.0000-3623.0000	L,R	4K00G3E	Rx			11M		INM B,C,M, FEEDERLINK
99)	3600.0000-3623.0000	L,R	7K50G3E	Rx			11M		INM B,C,M, FEEDERLINK
100)	3600.0000-3623.0000	L,R	1K20G1D	Rx			11M		TDM, AERO, FEEDERLINK
101)	3600.0000-3623.0000	L,R	2K40G1D	Rx			11M		TDM, AERO, FEEDERLINK
102)	3600.0000-3623.0000	L,R	4K80G1D	Rx			11M		TDM, AERO, FEEDERLINK
103)	3600.0000-3623.0000	L,R	600HG1D	Rx			11M		TDM, AERO, FEEDERLINK
104)	3600.0000-3620.0000	L,R	1K20G1D	Rx			11M		STD-C
105)	3600.0000-3620.0000	L,R	600HG1D	Rx			11M		STD-C
106)	3600.0000-3620.0000	L,R	NON	Rx			11M		PILOT
107)	3600.0000-3620.0000	L,R	30K0F3E	Rx			11M		STD A VOICE
108)	3600.0000-3260.0000	L,R	4K80G1D	Rx			11M		STD A TELEX
109)	6679.4200-6701.4200	R	22M0G7W	Tx	83.00	45.60	SBY20		IOT C5 DIGITAL DATA FEEDER LINK SYSTEM TESTING FAA-WAAS
110)	6628.2700-6650.2700	R	22M0G7W	Tx	83.00	45.60	SBY20		IOT C1 DIGITAL DATA FEEDER LINK SYSTEM TESTING FAA-WAAS
111)	6679.4200-6701.4200	R	22M0G7W	Tx	78.00	40.60	SBY20		OPERATIONAL C5 DIGITAL DATA FEEDER FAA-WAAS
112)	6628.2700-6650.2700	R	22M0G7W	Tx	78.00	40.60	SBY20		OPERATIONAL C1 DIGITAL DATA FEEDER FAA-WAAS
113)	1564.4200-1586.4200	R	22M0G7W	Rx			SBY20		IOT-DIGITAL DATA SYSTEM TESTING FAA-WAAS
114)	1165.4500-1187.4500	R	22M0G7W	Rx			SBY20		IOT-DIGITAL DATA SYSTEM TESTING FAA-WAAS
115)	1564.4200-1586.4200	R	22M0G7W	Rx			SBY20		OPERATIONAL C1 DIGITAL DATA FAA-WAAS
116)	1165.4500-1187.4500	R	22M0G7W	Rx			SBY20		OPERATIONAL C5 DIGITAL DATA FAA-WAAS
117)	4199.6000-4200.0000	R	0M4KG7W	Rx			SBY20		BEACON-2 PCM

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118)	4198.0000-4198.4000	R	0M4KG7W	Rx			SBY20		BEACON-1 PCM
119)	6417.5000-6440.0000	L,R	600HG1D	Tx	77.00	77.00	11M		TDM, STD-C, FEEDERLINK
120)	1525.0000-1559.0000	L,R	600HG1D	Rx	0.00	0.00	1.52M		DIGTIAL CARRIER
121)	6417.5000-6443.0000	L,R	12K0G3E	Tx			11M		INM B,C,M, FEEDERLINK

C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.) East Limit	Satellite Arc (Deg. Long.) West Limit	Elevation (Degrees) East Limit	Elevation (Degrees) West Limit	Azimuth (Degrees) East Limit	Azimuth (Degrees) West Limit	Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
1)	1525.0000-1559.0000			05.2	05.7	102.6	256.9	0	1.52M
2)	1626.5000-1660.5000			05.2	05.7	102.6	256.9	0	1.52M
3)	1574.4000-1576.6000	2.0W	144.0W	05.2	05.7	102.6	256.9	0	11M
4)	3600.0000-3623.0000	2.0W	144.0W	05.2	05.7	102.6	256.9	0	11M
5)	4192.5000-4200.0000	2.0W	144.0W	05.2	05.7	102.6	256.9	0	11M
6)	6417.5000-6454.0000	2.0W	144.0W	05.2	05.7	102.6	256.9	13.9	11M
7)	6454.4000-6456.6000	2.0W	91.0W	05.3	38.8	102.6	205.7	13.9	11M
8)	3629.4000-3631.6000	2.0W	91.0W	05.3	38.8	102.6	205.7		11M
9)	3600.0000-3629.0000	2.0W	91.0W	05.3	38.8	102.6	205.7		11M
10)	5925.0000-6425.0000	2.0W	144.0W	05.3	05.7	102.6	257.0	39.7	11M
11)	3700.0000-4200.0000	2.0W	144.0W	05.3	05.7	102.6	257.0		11M
12)	6678.4200-6702.4200	116.0W	118.0W	25.6	24.3	234.4	236.2	-13.79	SBY20
13)	6627.2700-6651.2700	116.0W	118.0W	25.6	24.3	234.4	236.2	-13.79	SBY20
14)	1563.4200-1587.4200	116.0W	118.0W	25.6	24.3	234.4	236.2		SBY20
15)	1164.4500-1188.4500	116.0W	118.0W	25.6	24.3	234.4	236.2		SBY20
16)	4199.6000-4200.0000	116.0W	118.0W	25.6	24.3	234.4	236.2		SBY20
17)	4198.0000-4198.4000	116.0W	118.0W	25.6	24.3	234.4	236.2		SBY20

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D) Points of Communications

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

1) SOUTHBURY to INMARSAT Ltd.-2 satellite(s) @ 17 W.L. in AOR-EAST (United Kingdom-licensed) (Non-U.S.-licensed)
2) SOUTHBURY to INMARSAT Ltd.-2 satellite(s) @ 98 W.L. in AOR-WEST (United Kingdom-licensed) (Non-U.S.-licensed)
3) SOUTHBURY to INMARSAT Ltd.-3 satellite(s) @ 15.5 W.L. in AOR-E (United Kingdom-licensed) (Non-U.S.-licensed)
4) SOUTHBURY to INTELSAT V F-6 satellite 18.5 W.L. of the INTELSAT system (U.S.-licensed)
5) SOUTHBURY to Permitted Space Station List
6) SOUTHBURY to INMARSAT 4F2 satellite(s) @52.75 W.L. in AOR-EAST (United Kingdom-licensed)
7) SOUTHBURY to All Inmarsat satellites on "ISAT List" authorized to access U.S. in the L-Band
8) SBY20 to SATMEX-9 (S2926) @ 117 degrees W.L. (Mexico-licensed)

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)
SOUTHBURY	1.52M	1	1.52	COMSAT LABS		36.6	2.13 AGL/ 38.7 AMSL	
Max Gains(s):		25.5 dBi @	1.0000 GHz	25.7 dBi @	1.6400 GHz			
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
SOUTHBURY	11M	0	11	SCIENTIFIC-ATLANTA	8007	36.6	12.8 AGL/ 49.4 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					1,500.00			
Maximum aggregate output EIRP for all carriers (dBW) =					85.80			
SOUTHBURY	11M	1	11	SCIENTIFIC-ATLANTA	8007	36.6	12.8 AGL/ 49.4 AMSL	
Max Gains(s):		51.5 dBi @	4.0000 GHz	54.0 dBi @	6.0000 GHz	51.5 dBi @ 3.9500 GHz	54.0 dBi @ 6.1750 GHz	
Maximum total input power at antenna flange (Watts) =					2,000.00			
Maximum aggregate output EIRP for all carriers (dBW) =					87.00			

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION AUTHORIZATION

Name: Airbus DS SatCom Government, Inc. **Call Sign:** KA312
Authorization Type: Modification of License **File Number:** SES-MFS-20140630-00546
Non Common Carrier **Grant date:** 08/28/2015 **Expiration Date:** 02/27/2024

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)
SBY20	SBY20	1	13.1	GD SATCOM	13.1 METER	36.6	15.1 AGL/ 51.7 AMSL	

Max Gains(s): 37.3 dBi @ 1.1750 GHz 53.4 dBi @ 4.2000 GHz 57.2 dBi @ 6.7250 GHz
Maximum total input power at antenna flange (Watts) = 759.00
Maximum aggregate output EIRP for all carriers (dBW) = 86.00

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:

214 --- Authority IS GRANTED pursuant to Section 25.210(j) of the Commission's rules, to permit operations of earth stations with the Inmarsat 4F2 satellite, maintained at ±.10 degree of the 52.75° W.L., subject to the condition that this waiver and the operations it permits shall terminate in the event that a satellite is launched into a location such that its stationkeeping volume would overlap the Inmarsat 4F2 satellite's ± 0.10 degree stationkeeping volume, but would not overlap the Inmarsat 4F2 satellite's ±0.05° degree stationkeeping volume, unless Inmarsat has successfully coordinated its physical operations with those of the other spacecraft.

215 --- Operations via the Inmarsat 4F2 satellite using a north-south inclination of as much as three degrees ARE GRANTED, conditioned on operations of the 4F2 complying with the inclined orbit requirements set forth in Sections 25.280(b)(1)-(3) of the Commission's rules

216 --- Operations in the 1544-1545/1645.5-1646.5 MHz frequency bands ARE LIMITED to distress and safety communications, in accordance with International Footnotes 5.356 and 5.375 of the ITU Radio Regulations.

1010 --- Applicable to all receiving frequency bands. Emission designator indicates the maximum bandwidth of received signal at associated station(s). Maximum EIRP and maximum EIRP density are not applicable to receive operations.

1900 --- Applicable to all transmitting frequency bands. Authority is granted to transmit any number of RF carriers with the specified parameters on any discrete frequencies within associated band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.

2038 --- The licensee shall take extraordinary measures to 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. The earth station antenna shall be surrounded by a fence, at least 2 meters tall with a locked gate, to prevent human exposure in excess of the FCC-specified safety limit of 1 mW/cm2. Warning signs, such as those discussed in the FCC's OET Bulletin 65, shall be posted informing members of the public to keep outside the locked area.

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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:

2916 --- Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.

3848 --- The authorized frequency band(s) has (have) been cleared with the National Telecommunications and Information Administration.

5014 --- With respect to potential co-channel interference to or from terrestrial microwave radio stations, the transmit and receive frequency bands listed in this license have been cleared for transmissions to and from satellites located in the geostationary or non-geostationary orbit for the emissions designated in Section B of this license.

5015 --- Upon completion of construction, each licensee must file with the Commission a certification including the following information: name of the licensee, file number of the application, call sign of the antenna, date of the license and certification that the facility as authorized has been completed, that each antenna facility has been tested and is within 2 dB of the pattern specified in Section 25.209 and that the station is operational including the date of commencement of service and will remain operational during the license period unless the license is submitted for cancellation.

5062 --- the Licensee(s) shall maintain as its first priority the service of maritime commercial, safety and distress needs, and in particular uphold the safety and distress requirements of the Global Maritime Distress and Safety System.

5208 --- The licensee shall take all necessary measures to ensure that the antenna 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 wherever such exposures might occur. 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.

5957 --- Licensees must comply with the terms of any L-band operator-to-operator coordination agreement. In the absence of a continuing L-band operator-to-operator coordination agreement, operations of METs in the 1525-1559 and 1626.5-1660.5 MHz bands will be on a non-harmful interference basis until a future operator-to-operator agreement is concluded. In this instance, each licensee must notify the other operators in these frequency bands that it will be operating on a non-harmful interference basis. Each licensee must notify its customers that its operations are on a non-harmful interference basis.

90204 --- Communications with the Satmex 9 space station are authorized based upon and subject to the conditions, waivers, and findings specified for Call Sign S2926.

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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.