



**UNITED STATES OF AMERICA**  
**FEDERAL COMMUNICATIONS COMMISSION**  


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**RADIO STATION AUTHORIZATION**

**Name:** All Mobile Video Inc

**Call Sign:** E5740

**Authorization Type:** Renewal of License

**File Number:** SES-RWL-20030310-00282

Common Carrier

**Grant date:** 03/11/2003

**Expiration Date:** 05/31/2018

**Nature of Service:** Domestic Fixed Satellite Service

**Nature of Service:** International 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	27 RANDOLPH STREET CARTERET, MIDDLESEX, NJ 07008	40°34'49.0"N	74°13'0.0"W	5.2	27

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 May 31, 2003 (3 AM Eastern Standard Time) and ending May 31, 2018 (3 AM Eastern Standard Time) . The required date of completion of construction and commencement of operation is December 15, 1996 (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)	5925.0000-6425.0000	H, V	1M54G7W	Tx	57.10	34.30	10m		
2)	5925.0000-6425.0000	H, V	36M0F9W	Tx	78.40	54.40	10m		
3)	5925.0000-6425.0000	H, V	8M00G7F	Tx	83.20	52.40	10m		
4)	3700.0000-4200.0000	H, V	1M54G7W	Rx			10m		
5)	3700.0000-4200.0000	H, V	36M0F9W	Rx			10m		
6)	3700.0000-4200.0000	H, V	8M00G7F	Rx			10m		
7)	5925.0000-6425.0000	H, V	1M54G7W	Tx	57.10	34.30	12m		
8)	5925.0000-6425.0000	H, V	36M0F9W	Tx	78.40	54.40	12m		
9)	5925.0000-6425.0000	H, V	8M00G7F	Tx	83.20	52.40	12m		



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10)	3700.0000-4200.0000	H, V	36M0F9W	Rx			12m		
11)	3700.0000-4200.0000	H, V	8M00G7F	Rx			12m		
12)	3700.0000-3700.0000	H, V	1M54G7W	Rx			12m		
13)	5925.0000-6425.0000	H, V, L, R	128KG7W	Tx	52.00	36.95	9.2m		VOICE, DATA
14)	5925.0000-6425.0000	H, V, L, R	1M54G7W	Tx	57.10	31.25	9.2m		VOICE, DATA
15)	5925.0000-6425.0000	H, V, L, R	2M05G7W	Tx	69.00	41.91	9.2m		VOICE, DATA
16)	5925.0000-6425.0000	H, V, L, R	65K7G7W	Tx	49.00	36.85	9.2m		VOICE, DATA
17)	5925.0000-6425.0000	H, V, L, R	2M31G7W	Tx	67.70	40.08	9.2m		VOICE, DATA
18)	5925.0000-6425.0000	H, V, L, R	8M00G7F	Tx	81.50	48.49	9.2m		DIGITAL VIDEO
19)	3700.0000-4200.0000	H, V, L, R	128KG7W	Rx			9.2m		VOICE, DATA
20)	3700.0000-4200.0000	H, V, L, R	1M54G7W	Rx			9.2m		VOICE, DATA
21)	3700.0000-4200.0000	H, V, L, R	2M05G7W	Rx			9.2m		VOICE, DATA
22)	3700.0000-4200.0000	H, V, L, R	2M31G7W	Rx			9.2m		VOICE, DATA
23)	3700.0000-4200.0000	H, V, L, R	65K7G7W	Rx			9.2m		VOICE, DATA
24)	3700.0000-4200.0000	H, V, L, R	8M00G7F	Rx			9.2m		DIGITAL VIDEO

**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)	5925.0000-6425.0000	65.0W	-143.0W	41.7	-07.3	163.0	-255.8	-15.6	10m
2)	3700.0000-4200.0000	65.0W	-143.0W	41.7	-07.3	163.0	-255.8		10m
3)	5925.0000-6425.0000	14.0W	-93.0W	13.7	-39.3	110.4	-207.6	-1.23	9.2m
4)	3700.0000-4200.0000	14.0W	-93.0W	13.7	-39.3	110.4	-207.6		9.2m
5)	5925.0000-6425.0000	65.0W	-143.0W	41.7	-07.3	163.0	-255.8	-15.6	9.2m
6)	3700.0000-4200.0000	65.0W	-143.0W	41.7	-07.3	163.0	-255.8		9.2m



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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		
7)	3700.0000-4200.0000	65.0W	-143.0W	41.7	-07.3	163.0	-255.8		12m
8)	5925.0000-6425.0000	65.0W	-143.0W	41.7	-07.3	163.0	-255.8	-15.6	12m

**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 PANAMSAT-3R (PAS-3R @ 43.0 W.L.) satellite(s) of the PANAMSAT system. (U.S.-licensed)
  - 3) 1 to PANAMSAT 9 @ 58.0 W.L. S2380 (U.S.-licensed domestic satellite)
  - 4) 1 to INTELSAT AOR @ 330.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
  - 5) 1 to INTELSAT AOR @ 325.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
  - 6) 1 to INTELSAT AOR @ 335.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
  - 7) 1 to INTELSAT AOR (S2411) @ 332.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
  - 8) 1 to INTELSAT AOR @ 342.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
  - 9) 1 to INTELSAT AOR @ 307.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
  - 10) 1 to INTELSAT AOR @ 310.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
  - 11) 1 to New Skies Satellite, N.V. 806 @ 319.5 E.L. (Netherlands-licensed)[Moved to 47.5° W.L.]
  - 12) 1 to New Skies Satellite, N.V. 5 (formerly NSS-803) @ 338.5 E.L. / 177.0 WL (Netherlands-licensed)  
(Non-U.S.-licensed)
  - 13) 1 to ANIK E1 @ 118.7 degrees W.L. (Canada-licensed)
  - 14) 1 to ANIK E2 (S2597) @ 111.1 degrees W.L. (Canada-licensed)
  - 15) 1 to SOLIDARIDAD F-1 @ 109.2 W.L. (Mexican-licensed) (Non-U.S.-licensed)
  - 16) 1 to SOLIDARIDAD F-2 @ 113.0 W.L. (Mexican-licensed) (Non-U.S.-licensed)
  - 17) 1 to SATMEX-5 @ 116.8 W.L. (Mexico-licensed)



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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	10m	2	10	SCIENTIFIC ATLANTA	8002A	5.2	10.7 AGL/ 15.9 AMSL	
	Max Gains(s):	50.5 dBi @	4.0000 GHz	53.5 dBi @	6.0000 GHz			
	Maximum total input power at antenna flange (Watts) =				933.20			
	Maximum aggregate output EIRP for all carriers (dBW) =				83.20			
1	12m	1	12	ANDREW	ESA 120-46	5.2	13.6 AGL/ 18.8 AMSL	
	Max Gains(s):	53.1 dBi @	4.0000 GHz	56.4 dBi @	6.0000 GHz			
	Maximum total input power at antenna flange (Watts) =				2,000.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				89.40			
1	9.2m	2	9.2	SATCOM TECH INC	920CS	5.2	9.2 AGL/ 14.4 AMSL	
	Max Gains(s):	50.1 dBi @	4.0000 GHz	53.0 dBi @	6.0000 GHz			
	Maximum total input power at antenna flange (Watts) =				912.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				82.60			

**F) Remote Control Point:**

1

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**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:

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.



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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:

2010 --- This authorization is issued pursuant to the Commission's Second Report and Order adopted June 16, 1972 (35 FCC 2d 844) and Memorandum, Opinion and Order adopted December 21, 1972 (38 FCC 2d 665) in Docket No. 16495 and is subject to the policies adopted in that proceeding.

2454 --- All satellite uplink transmissions carrying broadband video information shall comply with the Automatic Transmitter Identification System (ATIS) requirements of Section 25.281 of the Rules, as modified by FCC Report No. DS-1066, released on April 3, 1991.

2500 --- With respect to potential co-channel interference to or from terrestrial microwave radio stations: receive frequency band(s) listed in Section B of this authorization have been cleared for transmissions from and transmit frequency band(s) listed in Section B have been cleared for transmission to satellites located in the portion of the geostationary satellite orbit specified in Section D for the emissions designated in Section B.

2530 --- This authorization is further subject to licensee's compliance with the special agreement(s) stated in the application(s) for these facilities that were reached with terrestrial microwave station operator(s) in order to effect frequency coordination.

2614 --- Licensee is authorized to provide fixed-satellite service excluding Direct-to-Home service, between the United States and countries listed in this underlying application. See DISCO II.

2641 --- The provision of purely domestic service via the INTELSAT satellites is prohibited.

2810 --- The grantee shall maintain on file with the Commission's current list or plan of the precise frequencies in actual use at this station, specifying for each such frequency: the r.f. center frequency, polarization, emission designator, EIRP (dBW), EIRP density (dBW/4kHz), and receiving earth station(s). This list or plan may be submitted either on a station-by-station basis or on a system-wide basis, and shall be updated within seven days of any changes in frequency usage at this station. Temporary usage of frequencies for periods of less than seven days need not be notified to the Commission if accurate station records are maintained of the times and particulars of such temporary frequency usage.

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.

2938 --- Upon completion of construction, each licensee must file with the Commission a certification including the following information: (1) name of the licensee, (2) file number of the application, (3) call sign of the antenna, (4) date of the license, (5) certification that the facility as authorized has been completed, (6) certification that each antenna facility has been tested and is within 2 dB of the pattern specified in Section 25.209, and (7) certification 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.



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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:

3212 --- The licensee shall take extraordinary measures to ensure that multiple antennas co-located at the same site do not create potential exposure to radiofrequency radiation in excess of FCC safety guidelines. Antennas 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/cm<sup>2</sup>. 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. All operations must be in compliance with Section 1.1307 (b)(3) of the Commission's Rules. (See 47 CFR 1.1307 (b) (3)).

3214 --- All operations must be in compliance with Section 1.1307 (b)(3) of the Commission's Rules. (See 47 CFR 1.1307 (b) (3))

3219 --- All existing transmitting facilities, operations and devices regulated by the Commission must be in compliance with the Commission's radiofrequency (RF) exposure guidelines, pursuant to Section 1.1307(b)(1) through (b)(3) of the Commission's rules, or if not in compliance, file an Environmental Assessment (EA) as specified in Section 1.1311. See 47 CFR § 1.1307 (b) (5).

3428 --- This authorization is not to be construed as including any uplink or downlink authority in other countries.

3453 --- This authorization is subject to the continuance in force of the "protocol concerning the transmission and reception of signals from satellites for the provision of Direct-to-Home Satellites Television Services in the United States of America and the United Mexican States" signed on November 8, 1996, and "protocol concerning the transmission and reception of signals from satellites for the provision of fixed-satellites services in the United States of America and the United Mexican States" signed on October 16, 1997.

3465 --- This authorization is subject to the policies adopted in the Report and Order, "Amendment of the Commission's Regulatory Policies to allow Non-US-Licensed Space Stations to provide Domestic and International Satellite Services in the United States," IB Docket 96-111, FCC 97-399 (Released November 26, 1997). (DISCO II)

5012 --- The authority granted here is limited to the operation of the facilities described above and does not include any authority to install and operate channelizing equipment or any other authority under Section 214 of the Communications Act of 1934, as amended, to establish channels of communications.

5013 --- In the event of the failure of a satellite with which operations are authorized in Section D of this license, operations are authorized in conjunction with the authorized INTELSAT satellite in the affected Ocean Region that provides the services authorized herein in order to maintain the continuity of commercial service; provided that the licensee(s) immediately notify the Commission of the nature of this emergency and its expected duration; and provided that the operational limits of elevation angle and azimuth range specified in Section C of this license are not exceeded. In the event that such emergency operations require emissions not specified in Section B of this license, such emissions may be utilized provided that the EIRP's of such emissions do not exceed the limits set forth in this license.

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.



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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:

5017 --- Operation of this station is governed by the terms, conditions and limitations in Part 25 of the Commission's Rules and Regulations and the following additional conditions: 1. This license shall not vest in the Licensee(s) any right to operate the station or any right in the use of the frequencies designated in the license beyond its term or in any other manner than authorized in the license; 2. Neither the license nor the right granted under it shall be assigned or otherwise transferred in violation of the Commission's Rules and Regulations issued under it; and 3. This station is subject to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended.

5202 --- Use of this facility to provide international service on a common carrier basis will require appropriate authorization under Section 214 of the Communication Act of 1934, as amended.

5203 --- All communications shall be in accordance with the satellites and services which have completed consultations under Article XIV(d) of the INTELSAT Agreement and which the Commission has approved.

5210 --- Licensee is authorized to provide transborder services between the United States and Canada via satellites of the ANIK system and between the United States and Mexico via satellites of the Morelos and Solidaridad systems.

5215 --- All operations shall be on a common carrier basis.

5225 --- This action constitutes the final step with respect to the provision of the services only insofar as the US regulatory process is concerned. However, this authority shall not be construed as authorizing the distribution of programming where the appropriate copyright clearances have not been obtained or where the U.S. Government has determined that appropriate copyright protection does not otherwise exist.

5240 --- All operations via the INTELSAT satellites are limited to the countries excluding the restricted countries listed in Comsat's international tariff provisions for the space components of authorized services in Section B..

5525 --- This authorization is issued pursuant to the Commission's Report and Order released January 22, 1996 (FCC 96-14), Disco I.

5630 --- International services shall be consistent with this emission designator, the underlying title III application(s) and the acquisition of any necessary Section 214 authority.

5735 --- Access to the SATMEX-5 satellite network shall be in compliance with the satellite coordination agreement reached between the administration of the United States and Mexico regarding the operations of the SATMEX-5 satellite network.

5737 --- In accordance with the ordering clause at paragraph 84 of the Commission's Order and Authorization, FCC 99-210, released August 6, 1999, the Ku-band frequencies on New Skies Satellite N.V. 806 have not been coordinated for operation over North America. Thus, Ku-band operations over the New Skies Satellite N.V. 806 satellite in the United States may not cause interference to, and may not claim protection from: (1) any U.S.-licensed geostationary satellite network and (2) non-U.S.-licensed geostationary satellite networks operating in conformance with international coordination agreements.



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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:

5738 --- This authorization is subject to the conditions and terms set forth in the Commission's Order and Authorization, FCC 99-210, released August 6, 1999, and Memorandum Opinion and Order, FCC 01-107, released March 29, 2001, and New Skies Satellites N.V., Petition for Declaratory Ruling, Order, DA 01-513 (Int'l Bureau, Satellite and Radiocommunication Division, released Mar. 29, 2001)

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.**