


APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Harris CapRock Communications Inc. seeks to operate under STA with the added Emission Designator 9M38G7W to its Earth Station license currently authorized under Call Sign E050331 (Boomvang).

1. Applicant

Name: Harris CapRock Communications, Inc. **Phone Number:** 832-668-2753
DBA Name: **Fax Number:** 832-668-2780
Street: 4400 S. Sam Houston Parkway Ea **E-Mail:**
City: Houston **State:** TX
Country: USA **Zipcode:** 77048
Attention: Ms EllenAnn Sands

File # SES STA 2017 0309-00241
Call Sign E050331 Grant Date 3-15-17
(or other identifier)
Term Dates From: 3-15-17 To: 5-14-17
Approved: Paul E. Hayes



GRANTED
International Bureau

Applicant: Harris CapRock Communications, Inc.
File No.: SES-STA-20170309-00241
Call Sign: E050331

Harris CapRock Communications, Inc., is granted special temporary authority (STA), for 60 days, beginning on March 15, 2017, to operate a 2.4 meter C-band antenna on its Boomvang, GM platform at 27° 21" 12.8' N, 94° 37" 31.1' W located in the Gulf of Mexico with currently authorized satellite points of communication using emission designator 9M38G7W in the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to-space) frequency bands under the following conditions:

1. Operations under this authority are on a non-interference basis only.
2. Operations under this authority are on a non-protected basis only.
3. In the event of any harmful interference under this grant of special temporary authority, Harris CapRock Communications, Inc., must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
4. Operations in 5925-6425 MHz frequency band shall not exceed the EIRP density limits specified in the current earth station authorization, call-sign E050131, IBFS File No: SES-MOD-20130111-00042.
5. Grant of this STA is without prejudice to any determination that the Commission may make regarding any Anadarko Petroleum Corporation's future applications.
6. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Harris CapRock Communications, Inc.'s risk.
7. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.



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Term Dates
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Approved: [Signature]

2. Contact	
Name: Timothy Doughty	Phone Number: 202-434-4271
Company: Keller and Heckman LLP	Fax Number: 202-434-4646
Street: 1001 G Street NW Suite 500 West	E-Mail: doughty@khlaw.com
City: Washington	State: DC
Country: USA	Zipcode: 20001
Attention:	Relationship: Legal Counsel
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee	
<input type="radio"/> Other (please explain):	
4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other	
6. Requested Use Prior Date 03/15/2017	
7. City/Gulf of Mexico	
8. Latitude (dd mm ss.s h) 27 21 12.8 N	

9. State	10. Longitude (dd mm ss.s h) 94 37 31.1 W
11. Please supply any need attachments. Attachment 1: Request for STA Attachment 2: Path Data Sheet Attachment 3: Section 25.220 Cert.	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px;"> <p>Harris CapRock Communications Inc. seeks to operate under STA with the added Emission Designator 9M38G7W to its Earth Station license currently authorized under Call Sign E050331 (Boomvang).</p> </div>	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes. Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing EllenAnn Sands	15. Title of Person Signing Senior Counsel
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

Micronet Communications, Inc.
720 F Avenue, Suite 100
Plano, Texas 75074
972-422-7200

File: M1703010

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TECHNICAL CHARACTERISTICS OF TRANSMIT ONLY EARTH STATION

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Company:	Harris CapRock Communications Inc.		
Site Name, State:	Boomvang, GM		
Call Sign:	E050331		
Latitude	(NAD83)	27 21	12.8 N
Longitude	(NAD83)	94 37	31.1 W
Elevation AMSL	(ft/m)	0.00	0.00
Receive Frequency Range	(MHz)		
Transmit Frequency Range	(MHz)	5925-6425	
Range of Satellite Orbital Long.	(deg W)	74.00	139.00
Range of Azimuths from North	(deg)	140.68	244.84
Antenna Centerline	(ft/m)	103.02	31.40
Antenna Elevation Angles	(deg)	50.75	32.06

Equipment Parameters		Transmit
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Antenna Gain, Main Beam	(dbI)	41.70
15 DB Half Beamwidth	(deg)	1.20

Antennas Transmit: SEATEL 9797

Max Transmitter Power	(dbW/4KHz)	-22.14
Max EIRP Main Beam	(dbW/4KHz)	19.56
Modulation / Emission Designator	ANALOG	9M38G7W

Coordination Parameters		Transmit
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Max Greater Circle Distances	(km)	120.30
Max Rain Scatter Distances	(km)	100.00
Max Interference Power Long Term	(dbW)	-154.00
Max Interference Power Short Term	(dbW)	-130.80
Rain Zone / Radio Zone		2 A

Routine Licensing for Antennas Smaller than 4.5 meters

Pursuant to 25.220 of the Rules and Regulations ("Regulations") of the Federal Communications Commission ("Commission"), the operator of an antenna smaller than 4.5m in the 4/6 GHz frequency bands must demonstrate the unacceptable interference will not be caused to any and all affected adjacent satellites. The proposed antenna in this application is a Seatel 9797 antenna, which was previously applied for and granted under application SES-LIC-200505-00538, call sign E050131. This system will operate with an EIRP density of -22.14 dbW/4kHz, well below the required limit.

Micronet Communications, Inc.
720 F Avenue, Suite 100
Plano, Texas 75074
972-422-7200

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