

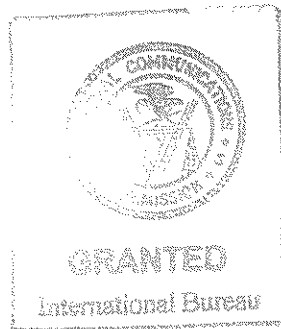
Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA Request to increase EIRP (Constitution)

I. Applicant

Name:	CapRock Communications, Inc.	Phone Number:	832-668-2751
DBA Name:		Fax Number:	832-668-2780
Street:	4400 S. Sam Houston Parkway Ea	E-Mail:	esands@cprk.com
City:	Houston	State:	TX
Country:	USA	Zipcode:	77048 -
Attention:	Ms. EllenAnn Sands		



File # SES-STA-20070820-01110
Call Sign E050206 Grant Date 10/2/07
(or other identifier)
From 10/2/07 Term Expires 11/30/07
Applicant Jeanette M. Perizzo

2. Contact			
Name:	Raul Magallanes	Phone Number:	281 317 1397
Company:	The Law Office of Raul Magallanes, PLLC	Fax Number:	281 271-8085
Street:	PO Box 1213	E-Mail:	info@rmtelecomlaw.com
City:	Houston	State:	TX
Country:	USA	Zipcode:	77549 -
Attention:	Raul Magallanes	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			
08/27/2007			

7. City Gulf of Mexico	8. Latitude (dd mm ss.s h) 27 17 24.0 N
9. State LA	10. Longitude (dd mm ss.s h) 90 58 12.0 W
11. Please supply any need attachments. Attachment 1: Cover Letter Attachment 2: Data Sheet Attachment 3: Prelim. Int. Analysis	
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; margin: 10px 0;">STA Request to increase EIRP (Constitution)</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. <input checked="" type="radio"/> Yes <input type="radio"/> No	
14. Name of Person Signing Alan Aronowitz	15. Title of Person Signing VP & General 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).	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to jboley@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

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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.



August 20, 2007

Scott Kotler, Chief
System Analysis Branch
Satellite Division
International Bureau
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: Request for Special Temporary Authority

Dear Mr. Kotler:

Pursuant to Section 25.120(a) of the Rules and Regulations ("Regulations") of the Federal Communications Commission ("Commission"), CapRock Communications, Inc. ("CapRock"), by way of the underlying application submitted by the undersigned, seeks Commission consideration for a Special Temporary Authority ("STA") to increase the EIRP of an earth station located the Gulf of Mexico. The earth station at issue has an FCC file designation of SES-LIC20050712-00889 and call sign of E050206.

The proposed C-band earth, as modified, station will exhibit a maximum power density at the flange of -22.14 dBW/4KHz which is 19.44 dB below the maximum allowed of -2.7dBW/4KHz. In addition, there has been a preliminary interference study performed on this site with no anticipated harmful interference cases.

Pursuant to Section 25.120(b)(3) of the Regulations, the Commission may grant temporary authority for a period not to exceed 60 days, if the STA request has not been placed on public notice, and the applicant plans to file a request for regular authority for the service. In the instant case, the STA request has not been placed on public notice and CapRock plans to file an application for modification. Therefore, CapRock respectfully requests an STA for a period not to exceed 60 days.

The circuit at issue is the customer's only means of communication. In order to insure uninterrupted service, the requested date for prior use is August 27, 2007. In accordance to Section 25.120(a) of the Regulations, this STA is being filed at least 3 working days prior to the date of proposed operation.

Sincerely,

/s/ Raúl Magallanes

Attorney

P.O. Box 1213, Houston, Texas 77549 • (281) 347-4397 TEL • (281) 217-8085 FAX

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info@fmlo.com
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September 19, 2007

Jeannette Spriggs
System Analysis Branch
Satellite Division
International Bureau
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: Request for Special Temporary Authority, E050206, SES-STA-20070820-01110

Dear Ms. Spriggs:

CapRock Communications, Inc. ("CapRock") would like to supplement the above-captioned filing for Special Temporary Authority Request (STA) with the public notice information added herein.

According to Section 25.120 (b)(1) of the Commission's rules, "The Commission may grant a temporary authorization only upon a finding that there are extraordinary circumstances requiring temporary operations in the public interest and that delay in the institution of these temporary operations would seriously prejudice the public interest".

In the instant case, CapRock requests an STA to increase the power and power density of an existing earth station installed at an oil platform in the Gulf of Mexico ("The Earth Station"). This Earth Station is the primary means of communication for the platform. Due to increased personnel and increased demand for the platform operations, the Earth Station capacity has become insufficient. Therefore, it is necessary that the Earth Station power and power density be increased to accommodate the platform communications growth.

The Earth Station, with the upgraded power, will exhibit a maximum power density at the flange of -22.14 dBW/4KHz which is 19.44 dB below the maximum allowed of -2.7dBW/4KHz. In addition, this location will complete frequency coordination next week and an application for permanent modification will be filed in due course. Therefore, no harmful interference to fixed systems or adjacent satellites is expected.

Because of the nature of operations in this platform and the critical role of the existing Earth Station communications link, it is in the public interest that the Earth Station be upgraded with sufficient capacity to accommodate the critical calls that are placed by platform personnel. In addition, should there be an emergency in this platform, this Earth Station would be used to placed calls to communicate with the appropriate agencies. It is imperative that the communications link not be overloaded or has the potential for blocked calls in these circumstances.

Sincerely,

/s/ Raul Magallanes
Attorney

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

File: M0722112

TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

Company: ANADARKO PETROLEUM CORPORATION
Site Name, State: Constitution, GM

Call Sign: (NAD83) 27 17 24.0 N
Latitude (NAD83) 90 58 12.0 W
Longitude (ft/m) 0.00 0.00
Elevation AMSL (ft/m) 0.00
Receive Frequency Range (MHz) 3700-4200
Transmit Frequency Range (MHz) 5925-6425
Range of Satellite Orbital Long. (deg W) 74.00 139.00
Range of Azimuths from North (deg) 146.35 247.59
Antenna Centerline (ft/m) 200.00 60.96
Antenna Elevation Angles (deg) 53.00 28.87

Equipment Parameters

Antenna Gain, Main Beam (dbI) 38.50 41.70
15 DB Half Beamwidth (deg) 1.00 1.20

Antennas Receive: SEATEL 9797
Transmit: SEATEL 9797

Max Transmitter Power (dbW/4KHz) -22.14
Max EIRP Main Beam (dbW/4KHz) 19.56
Modulation / Emission Designator DIGITAL 4M47G7W

Coordination Parameters

Max Greater Circle Distances (km) 278.01 123.31
Max Rain Scatter Distances (km) 506.45 100.00
Max Interference Power Long Term (dbW) -140.60 -151.80
Max Interference Power Short Term (dbW) -118.40 -130.80
Rain Zone / Radio Zone 1 A

MICRONET COMMUNICATIONS, INC.
08-17-2007

File: M0722112

page 2

Horizon Angle Horizon Gain Final Contour - 3.95 GHz RECEIVE

Company: ANADARKO PETROLEUM CORPORATION

Site Name, State: Constitution, GM

Call Sign:

Latitude (NAD83) 27 17 24.0 N Longitude (NAD83) 90 58 12.0 W

North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)	North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)
0	0.00	-9.67	247.3	180	0.00	-10.00	247.3
5	0.00	-11.89	247.3	185	0.00	-10.00	247.3
10	0.00	-12.91	247.3	190	0.00	-10.00	247.3
15	0.00	-11.72	247.3	195	0.00	-10.00	247.3
20	0.00	-10.45	247.3	200	0.00	-10.00	247.3
25	0.00	-8.83	247.3	205	0.00	-10.00	247.3
30	0.00	-7.00	247.3	210	0.00	-9.73	247.3
35	0.00	-6.00	247.3	215	0.00	-8.79	247.3
40	0.00	-6.00	247.3	220	0.00	-7.90	247.3
45	0.00	-6.00	247.3	225	0.00	-7.10	247.3
50	0.00	-6.94	247.3	230	0.00	-6.40	247.3
55	0.00	-9.35	247.3	235	0.00	-5.84	247.3
60	0.00	-10.00	247.3	240	0.00	-5.41	247.3
65	0.00	-10.00	247.3	245	0.00	-5.12	247.3
70	0.00	-10.00	249.8	250	0.00	-5.12	247.3
75	0.00	-10.00	254.7	255	0.00	-5.40	247.3
80	0.00	-10.00	259.6	260	0.00	-5.82	247.3
85	0.00	-10.00	264.5	265	0.00	-6.38	247.3
90	0.00	-10.00	269.0	270	0.00	-7.07	247.3
95	0.00	-10.00	272.9	275	0.00	-7.87	247.3
100	0.00	-10.00	276.0	280	0.00	-8.76	247.3
105	0.00	-10.00	278.0	285	0.00	-9.71	247.3
110	0.00	-10.00	278.0	290	0.00	-10.00	247.3
115	0.00	-10.00	275.9	295	0.00	-10.00	247.3
120	0.00	-10.00	272.8	300	0.00	-10.00	247.3
125	0.00	-10.00	268.8	305	0.00	-10.00	247.3
130	0.00	-10.00	264.3	310	0.00	-10.00	247.3
135	0.00	-10.00	259.5	315	0.00	-10.00	247.3
140	0.00	-10.00	254.5	320	0.00	-10.00	247.3
145	0.00	-10.00	249.8	325	0.00	-10.00	247.3
150	0.00	-10.00	247.3	330	0.00	-10.00	247.3
155	0.00	-10.00	247.3	335	0.00	-10.00	247.3
160	0.00	-10.00	247.3	340	0.00	-8.31	247.3
165	0.00	-10.00	247.3	345	0.00	-6.00	247.3
170	0.00	-10.00	247.3	350	0.00	-6.00	247.3
175	0.00	-10.00	247.3	355	0.00	-6.79	247.3