

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:
Request for STA (BRA-19)

1. Applicant

Name:	Shell Communications, Inc.	Phone Number:	713-245-1303
DBA Name:		Fax Number:	713-245-1010
Street:	P.O. Box 20329	E-Mail:	mona@fcc-expert.com
City:	Houston	State:	TX
Country:	USA	Zipcode:	77252 -0329
Attention:	Mona Lee		



File # SES-STA-20100204-00164

Call Sign _____ Grant Date 2/22/10
(or other identifier)

Term Dates
From 2/22/10 To: 3/23/10

Approved: _____

Shahnaz Ghavami

Attachment

SES-STA-20100204-00164

Condition:

All operations shall be on an unprotected and non-harmful interference basis, i.e., Shell Communications, Inc. shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.

With Condition

File # SES-STA-20100204-00164

Call Sign _____ Grant Date 2/22/10
(or other identifier)

Term Dates
From 2/22/10 To: 3/23/10

Approved: *[Signature]*



Shahnaaz Ghavami

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:	Other

(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?

- ☒ If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
- ☐ Governmental Entity ☐ Noncommercial educational licensee
- ☐ Other(please explain):

4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

- ☒ Use Prior to Grant ☐ Change Station Location ☐ Other

6. Requested Use Prior Date
02/12/2010

7. City Gulf of Mexico	8. Latitude (dd mm ss.s h) 28 10 30.0 N
9. State LA	10. Longitude (dd mm ss.s h) 95 35 7.2 W
11. Please supply any need attachments. Attachment 1: Cover Letter Attachment 2: SD Tables Attachment 3: Preliminary 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.) Request for STA (BRA-19)	
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 ☐ No	
14. Name of Person Signing Don Happel	15. Title of Person Signing Director of Technology
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

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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.



TELECOMMUNICATIONS LAW
**The Law Office of
Raúl Magallanes**

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info@rmlaw.com
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February 4, 2010

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

Re: Request for Special Temporary Authority – Shell Communications

Pursuant to Section 25.120(a) of the Rules and Regulations (“Regulations”) of the Federal Communications Commission (“Commission”), Shell Communications, Inc. (“Shell”) seeks Commission consideration for a Special Temporary Authority (“STA”) to operate an earth station while its application for permanent authority is undergoing Commission review.

According 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 Shell plans to file an application for permanent authority. Therefore, Shell respectfully requests an STA for a period not to exceed 60 days.

According to Section 25.120 (b)(1) of the Regulations, “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, Shell plans to start operations at the Brazos 19 platform in the Gulf of Mexico. The planned satellite is Satmex 6 (113WL). It is critical that this platform preserve communications in order to maintain connection with the platform crew and other personnel. A satellite link is often the only means of communications in the middle of the Gulf of Mexico.

The requested date for prior use is February 12, 2010. 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

Request for Routine Processing of Non-Compliant Antenna

The antenna at issue is an Andrew 2.4m Type 243 Linear C-band ("Antenna"). This Antenna does not strictly comply with Section 25.209 of the Regulations. However, according to Section 25.218 of the Regulations, an applicant may request routine processing of an application if it meets the applicable off-axis EIRP envelopes.

Furthermore, an application pursuant to Section 25.218 must file the corresponding tables outlined in Section 25.115(h) of the Regulations. Applicant presents below the tables outlined in Section 25.115(h) and therefore requests routine processing of this application.

EIRP DENSITY TABLE, AZIMUTH - \$25.115 (h) (1)				
Antenna Manufacturer		Andrew		
Antenna Model		243		
Transmit Frequency		6.250	GHz	
		Antenna Diameter		2.4
		Antenna Gain		42.0
		Max EIRP Density		-20.6
				m
				dBi
				dBW/4KHz

Off-Axis degrees	\$25.218 SD (dBW/4KHz)	Actual SD (dBW/4KHz)	Margin (dB)	Off-Axis degrees	\$25.218 SD (dBW/4KHz)	Actual SD (dBW/4KHz)	Margin (dB)
1.5	21.9	2.6	-19.3	7.5	5.3	-24.6	-29.9
1.6	21.2	0.1	-21.1	7.6	5.3	-23.6	-28.9
1.7	20.5	-2.4	-22.9	7.7	5.3	-23.1	-28.4
1.8	19.9	-3.1	-23.0	7.8	5.3	-23.1	-28.4
1.9	19.3	-2.4	-21.7	7.9	5.3	-22.6	-27.9
2.0	18.8	-1.6	-20.4	8.0	5.3	-23.6	-28.9
2.1	18.2	-1.6	-19.9	8.1	5.3	-23.6	-28.9
2.2	17.7	-2.4	-20.1	8.2	5.3	-21.6	-26.9
2.3	17.3	-3.6	-20.9	8.3	5.3	-31.6	-36.9
2.4	16.8	-4.9	-21.7	8.4	5.3	-29.6	-34.9
2.5	16.4	-8.6	-25.0	8.5	5.3	-28.6	-33.9
2.6	15.9	-11.1	-27.0	8.6	5.3	-26.6	-31.9
2.7	15.5	-16.1	-31.6	8.7	5.3	-25.6	-30.9
2.8	15.1	-19.9	-35.0	8.8	5.3	-25.1	-30.4
2.9	14.7	-16.1	-30.9	8.9	5.3	-24.6	-29.9
3.0	14.4	-13.6	-28.0	9.0	5.3	-24.6	-29.9
3.1	14.0	-12.4	-26.4	9.1	5.3	-25.1	-30.4
3.2	13.7	-11.1	-24.8	9.2	5.3	-26.6	-31.9
3.3	13.3	-11.1	-24.5	9.3	5.1	-28.6	-33.7
3.4	13.0	-12.4	-25.4	9.4	5.0	-32.6	-37.6
3.5	12.7	-14.9	-27.6	9.5	4.9	-32.6	-37.5
3.6	12.4	-18.6	-31.0	9.6	4.7	-30.6	-35.4
3.7	12.1	-23.6	-35.7	9.7	4.6	-29.6	-34.2
3.8	11.8	-31.1	-42.9	9.8	4.5	-24.6	-29.1
3.9	11.5	-22.4	-33.9	9.9	4.4	-24.6	-29.0
4.0	11.2	-18.6	-29.9	10.0	4.3	-24.6	-28.9
4.1	11.0	-16.1	-27.1	15.0	-0.1	-39.6	-39.5
4.2	10.7	-14.9	-25.6	20.0	-3.2	-39.6	-36.4
4.3	10.5	-14.1	-24.6	25.0	-5.6	-40.6	-35.0
4.4	10.2	-14.9	-25.1	30.0	-7.6	-38.6	-31.0
4.5	10.0	-15.6	-25.6	35.0	-9.3	-38.6	-29.3
4.6	9.7	-17.4	-27.1	40.0	-10.8	-37.6	-26.9

4.7	9.5	-18.6	-28.1
4.8	9.3	-19.9	-29.1
4.9	9.0	-18.6	-27.7
5.0	8.8	-17.4	-26.2
5.1	8.6	-15.6	-24.2
5.2	8.4	-14.1	-22.5
5.3	8.2	-13.6	-21.8
5.4	8.0	-13.6	-21.6
5.5	7.8	-14.1	-21.9
5.6	7.6	-14.1	-21.7
5.7	7.4	-16.1	-23.5
5.8	7.2	-18.6	-25.8
5.9	7.0	-21.1	-28.1
6.0	6.8	-27.4	-34.2
6.1	6.7	-24.6	-31.3
6.2	6.5	-25.6	-32.1
6.3	6.3	-23.6	-29.9
6.4	6.1	-21.6	-27.8
6.5	6.0	-21.6	-27.6
6.6	5.8	-20.6	-26.4
6.7	5.6	-20.6	-26.3
6.8	5.5	-21.6	-27.1
6.9	5.3	-21.6	-26.9
7.0	5.2	-24.6	-29.8
7.1	5.3	-24.6	-29.9
7.2	5.3	-25.6	-30.9
7.3	5.3	-25.6	-30.9
7.4	5.3	-25.6	-30.9

45.0	-12.0	-44.6	-32.6
50.0	-12.7	-46.6	-33.9
55.0	-12.7	-44.6	-31.9
60.0	-12.7	-42.6	-29.9
65.0	-12.7	-46.6	-33.9
70.0	-12.7	-43.6	-30.9
75.0	-12.7	-46.6	-33.9
80.0	-12.7	-42.6	-29.9
85.0	-12.7	-53.6	-40.9
90.0	-12.7	-48.6	-35.9
95.0	-12.7	-53.6	-40.9
100.0	-12.7	-46.6	-33.9
105.0	-12.7	-34.6	-21.9
110.0	-12.7	-39.6	-26.9
115.0	-12.7	-53.6	-40.9
120.0	-12.7	-47.6	-34.9
125.0	-12.7	-41.6	-28.9
130.0	-12.7	-32.6	-19.9
135.0	-12.7	-29.6	-16.9
140.0	-12.7	-30.1	-17.4
145.0	-12.7	-28.6	-15.9
150.0	-12.7	-24.1	-11.4
155.0	-12.7	-25.6	-12.9
160.0	-12.7	-27.1	-14.4
165.0	-12.7	-28.6	-15.9
170.0	-12.7	-28.6	-15.9
175.0	-12.7	-36.6	-23.9
180.0	-12.7	-44.6	-31.9

EIRP DENSITY TABLE, ELEVATION - \$25.115 (h) (2)				
Antenna Manufacturer		Andrew		
Antenna Model		243		
Transmit Frequency		6.250 GHz		
Antenna Diameter		2.4 m		
Antenna Gain		42.0 dBi		
Max EIRP Density		-20.6 dBW/4KHz		

Off-Axis degrees	\$25.218 SD (dBW/4KHz)	Actual SD (dBW/4KHz)	Margin (dB)	Off-Axis degrees	\$25.218 SD (dBW/4KHz)	Actual SD (dBW/4KHz)	Margin (dB)
1.5	24.9	3.9	-21.0	6.1	9.7	-19.6	-29.3
1.6	24.2	1.4	-22.8	6.2	9.5	-20.6	-30.1
1.7	23.5	-2.4	-25.9	6.3	9.3	-22.6	-31.9
1.8	22.9	-3.6	-26.5	6.4	9.1	-25.6	-34.8
1.9	22.3	-3.6	-25.9	6.5	9.0	-24.6	-33.6
2.0	21.8	-3.1	-24.9	6.6	8.8	-24.6	-33.4
2.1	21.2	-3.1	-24.4	6.7	8.6	-20.6	-29.3
2.2	20.7	-3.6	-24.4	6.8	8.5	-19.6	-28.1
2.3	20.3	-4.1	-24.4	6.9	8.3	-19.6	-27.9
2.4	19.8	-6.1	-25.9	7.0	8.2	-20.6	-28.8
2.5	19.4	-8.6	-28.0	7.1	8.0	-21.6	-29.6
2.6	18.9	-11.1	-30.0	7.2	7.9	-22.6	-30.5
2.7	18.5	-18.6	-37.1	7.3	7.7	-26.6	-34.3
2.8	18.1	-26.1	-44.2	7.4	7.6	-22.6	-30.2
2.9	17.7	-21.6	-39.4	7.5	7.4	-34.6	-42.0
3.0	17.4	-13.6	-31.0	7.6	7.3	-33.6	-40.9
3.1	17.0	-11.1	-28.1	7.7	7.1	-36.6	-43.8
3.2	16.7	-9.9	-26.5	7.8	7.0	-40.6	-47.6
3.3	16.3	-9.9	-26.2	7.9	6.9	-32.6	-39.5
3.4	16.0	-10.6	-26.6	8.0	6.7	-30.6	-37.3
3.5	15.7	-11.1	-26.8	8.1	6.6	-31.6	-38.2
3.6	15.4	-12.4	-27.8	8.2	6.5	-26.6	-33.1
3.7	15.1	-14.9	-30.0	8.3	6.3	-28.6	-34.9
3.8	14.8	-18.6	-33.4	8.4	6.2	-23.6	-29.8
3.9	14.5	-23.6	-38.1	8.5	6.1	-20.6	-26.7
4.0	14.2	-24.9	-39.1	8.6	5.9	-19.6	-25.6
4.1	14.0	-22.4	-36.3	8.7	5.8	-18.6	-24.4
4.2	13.7	-18.6	-32.3	8.8	5.7	-17.6	-23.3
4.3	13.5	-17.4	-30.8	8.9	5.6	-17.1	-22.7
4.4	13.2	-16.1	-29.3	9.0	5.4	-16.6	-22.1
4.5	13.0	-16.1	-29.1	9.1	5.3	-17.1	-22.4
4.6	12.7	-17.4	-30.1	9.2	5.2	-17.1	-22.3
4.7	12.5	-18.6	-31.1	9.3	5.1	-18.1	-23.2

4.8	12.3	-21.1	-33.4
4.9	12.0	-23.6	-35.7
5.0	11.8	-23.6	-35.4
5.1	11.6	-21.1	-32.7
5.2	11.4	-17.4	-28.8
5.3	11.2	-14.9	-26.1
5.4	11.0	-14.1	-25.1
5.5	10.8	-13.6	-24.4
5.6	10.6	-13.1	-23.7
5.7	10.4	-13.6	-24.0
5.8	10.2	-14.1	-24.3
5.9	10.0	-15.1	-25.1
6.0	9.8	-16.6	-26.5

9.4	5.0	-19.6	-24.6
9.5	4.9	-20.6	-25.5
9.6	4.7	-21.1	-25.9
9.7	4.6	-24.1	-28.7
9.8	4.5	-24.1	-28.6
9.9	4.4	-24.1	-28.5
10.0	4.3	-26.1	-30.4
15.0	-0.1	-35.6	-35.5
20.0	-3.2	-32.6	-29.4
25.0	-5.6	-28.6	-23.0
30.0	-7.6	-29.6	-22.0
35.0	-9.3	-38.6	-29.3
40.0	-10.8	-35.6	-24.9
45.0	-12.0	-43.6	-31.6

EIRP DENSITY TABLE, HORIZON - §25.115 (h) (3)				
Antenna Manufacturer	Andrew	Antenna Diameter	2.4	M
Antenna Model	243	Antenna Gain	42.0	dbi
Transmit Frequency	6.25	Max EIRP Density	-20.6	dBW/4KHz

A horizon gain table was generated for this particular location and satellite arc, as part of the frequency coordination report included with the underlying application.

19700 Janelia Farm Boulevard

Ashburn, VA 20147

(703) 726-5500



Fax (703) 726-5600

COMSEARCH®

<http://www.comsearch.com>

January 29, 2010

*** CLIENT COPY ***
*** PLEASE MAIL ***
*** TO CUSTOMER ***

Re: Shell Communications
Brazos-19 (Oil Platform), Gulf of Mexico
C-Band, Transmit-Receive Earth Station
Job Number: 100129COMSJC04

Dear Frequency Coordinator:

This notice is being provided in accordance with Section 25.203(c) of the FCC Rules and Regulations. We are forwarding the attached coordination data on behalf of Shell Communications, Houston, Texas 77252 for a proposed C-band, transmit/receive earth station to be located on an oil platform designated Brazos-19, in the Gulf of Mexico.

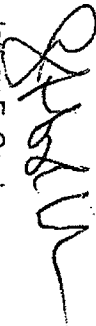
The coordination notice is being circulated to the owners (or their protection agents) of all existing or proposed terrestrial facilities operating in a shared frequency band within the coordination contours of the proposed station(s).

We respectfully request that you examine this data for its interference potential with your system(s). In the event that your analysis identifies potential interference cases that have not been resolved, please contact Comsearch by March 1, 2010.

If there are any questions concerning this coordination notice, please contact Comsearch.

Sincerely,

COMSEARCH



Jeffrey E. Cowles
Principal Frequency Planner

Enclosure(s)

COMSEARCH**Earth Station Data Sheet**

19700 Janelia Farm Boulevard, Ashburn, VA 20147
 (703)726-5660 <http://www.comsearch.com>

Date: 01/29/2010
 Job Number: 100129COMSJC04

Administrative Information

Status ENGINEER PROPOSAL
 Call Sign SHEINT
 Licensee Code Shell Communications
 Licensee Name

Site Information **BRAZOS-19 (Oil Platform), GULF of MEXICO**

Venue Name
 Latitude (NAD 83) 28° 10' 30.0" N
 Longitude (NAD 83) 95° 35' 7.2" W
 Climate Zone B
 Rain Zone 2
 Ground Elevation (AMSL) 0.0 m / 0.0 ft

Link Information

Satellite Type Geostationary
 Mode TR - Transmit-Receive
 Modulation Digital
 Satellite Arc 60° W to 143° West Longitude
 Azimuth Range 123.4° to 246.5°
 Corresponding Elevation Angles 39.1° / 29.0°
 Antenna Centerline (AGL) 30.48 m / 100.0 ft

Antenna Information

Manufacturer Andrew Corporation
 Model Type 243
 Gain / Diameter 38.0 dBi / 2.4 m
 3-dB / 15-dB Beamwidth 2.16° / 4.00°

Transmit

Andrew Corporation
 Type 243
 42.0 dBi / 2.4 m
 1.36° / 2.54°

1M81G7W to 4M30G7W

Max Available RF Power (dBW/4 kHz)
 (dBW/MHz)

-20.6 -20.6
 3.4 3.4

Maximum EIRP (dBW/4 kHz)
 (dBW/MHz)
 (dBW)

21.4 21.4
 45.4 45.4
 48.0 51.7

Interference Objectives: Long Term -156.0 dBW/MHz 20%
 Short Term -146.0 dBW/MHz 0.01%

-154.0 dBW/4 kHz 20%
 -131.0 dBW/4 kHz 0.0025%

Frequency Information

Emission / Frequency Range (MHz) **Receive 4.0 GHz** 1M81G7W - 4M30G7W / 3700.0 - 4200.0

Transmit 6.1 GHz 1M81G7W - 4M30G7W / 5925.0 - 6425.0

Max Great Circle Coordination Distance 484.7 km / 301.1 mi
 Precipitation Scatter Contour Radius 490.2 km / 304.6 mi

141.5 km / 87.9 mi
 100.0 km / 62.1 mi

COMSEARCH**Earth Station Data Sheet**

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5660 <http://www.comsearch.com>

Coordination Values		BRAZOS-19 (Oil Platform), GM	
Licensee Name		Shell Communications	
Latitude (NAD 83)		28° 10' 30.0" N	
Longitude (NAD 83)		95° 35' 7.2" W	
Ground Elevation (AMSL)		0.0 m / 0.0 ft	
Antenna Centerline (AGL)		30.48 m / 100.0 ft	
Antenna Model		Andrew Corporation Type 243	
Antenna Mode		Receive 4.0 GHz	
Interference Objectives:	Long Term	-156.0 dBW/MHz	20%
	Short Term	-146.0 dBW/MHz	0.01%
Max Available RF Power			Transmit 6.1 GHz
			-154.0 dBW/4 KHz
			-131.0 dBW/4 KHz
			-20.6 (dBW/4 KHz)
			20%
			0.0025%

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	110.37	-10.00	412.20	-10.00	123.44
5	0.00	111.69	-10.00	412.20	-10.00	123.44
10	0.00	107.98	-10.00	412.20	-10.00	123.44
15	0.00	104.21	-10.00	412.20	-10.00	123.44
20	0.00	100.38	-10.00	412.20	-10.00	123.44
25	0.00	96.53	-10.00	412.20	-10.00	123.44
30	0.00	92.66	-10.00	412.20	-10.00	123.44
35	0.00	88.77	-10.00	412.20	-10.00	123.44
40	0.00	84.90	-10.00	412.20	-10.00	123.44
45	0.00	81.03	-10.00	412.20	-10.00	123.44
50	0.00	77.20	-10.00	412.20	-10.00	123.44
55	0.00	73.41	-10.00	412.20	-10.00	123.44
60	0.00	69.67	-10.00	412.20	-10.00	123.44
65	0.00	66.01	-10.00	412.20	-10.00	123.44
70	0.00	62.43	-10.00	412.20	-10.00	123.44
75	0.00	58.98	-10.00	412.20	-10.00	123.44
80	0.00	55.67	-10.00	412.20	-10.00	123.44
85	0.00	52.53	-10.00	412.20	-10.00	123.44
90	0.00	49.60	-10.00	412.20	-10.00	123.44
95	0.00	46.93	-9.79	414.87	-9.79	124.07
100	0.00	44.56	-9.22	421.96	-9.22	125.77
105	0.00	42.54	-8.72	428.39	-8.72	127.31
110	0.00	40.95	-8.31	433.79	-8.31	128.63
115	0.00	39.81	-8.00	437.80	-8.00	129.61
120	0.00	39.18	-7.83	440.09	-7.83	130.17
125	0.00	39.08	-7.80	440.46	-7.80	130.26
130	0.00	39.52	-7.92	438.86	-7.92	129.87
135	0.00	40.47	-8.18	435.45	-8.18	129.03
140	0.00	41.90	-8.56	430.52	-8.56	127.83
145	0.00	43.77	-9.03	424.42	-9.03	126.36
150	0.00	46.01	-9.57	417.54	-9.57	124.71
155	0.00	48.58	-10.00	412.20	-10.00	123.44
160	0.00	51.35	-10.00	412.20	-10.00	123.44
165	0.00	53.74	-10.00	412.20	-10.00	123.44
170	0.00	55.57	-10.00	412.20	-10.00	123.44
175	0.00	56.72	-10.00	412.20	-10.00	123.44
180	0.00	57.12	-10.00	412.20	-10.00	123.44
185	0.00	56.72	-10.00	412.20	-10.00	123.44

COMSEARCH**Earth Station Data Sheet**

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5660 <http://www.comsearch.com>

Coordination Values**BRAZOS-19 (Oil Platform), GM**

Licensee Name	Shell Communications
Latitude (NAD 83)	28° 10' 30.0" N
Longitude (NAD 83)	95° 35' 7.2" W
Ground Elevation (AMSL)	0.0 m / 0.0 ft
Antenna Centerline (AGL)	30.48 m / 100.0 ft
Antenna Model	Andrew Corporation Type 243
Antenna Mode	Receive 4.0 GHz
Interference Objectives: Long Term	-156.0 dBW/MHz 20%
Short Term	-146.0 dBW/MHz 0.01%
Max Available RF Power	Transmit 6.1 GHz -154.0 dBW/4 KHz 20% -131.0 dBW/4 KHz 0.0025% -20.6 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	55.57	-10.00	412.20	-10.00	123.44
195	0.00	53.74	-10.00	412.20	-10.00	123.44
200	0.00	51.35	-10.00	412.20	-10.00	123.44
205	0.00	48.49	-10.00	412.20	-10.00	123.44
210	0.00	45.28	-9.40	419.75	-9.40	125.24
215	0.00	41.82	-8.53	430.81	-8.53	127.90
220	0.00	38.53	-7.64	442.52	-7.64	130.76
225	0.00	35.57	-6.78	454.23	-6.78	133.67
230	0.00	33.04	-5.98	464.70	-5.98	136.45
235	0.00	31.04	-5.30	474.29	-5.30	138.88
240	0.00	29.69	-4.81	481.30	-4.81	140.66
245	0.00	29.06	-4.58	484.68	-4.58	141.53
250	0.00	29.21	-4.64	483.86	-4.64	141.32
255	0.00	30.13	-4.97	478.98	-4.97	140.07
260	0.00	31.74	-5.54	470.85	-5.54	138.01
265	0.00	33.96	-6.27	461.18	-6.27	135.41
270	0.00	36.66	-7.11	449.76	-7.11	132.55
275	0.00	39.76	-7.99	437.99	-7.99	129.65
280	0.00	43.15	-8.88	426.39	-8.88	126.83
285	0.00	46.79	-9.75	415.27	-9.75	124.17
290	0.00	50.60	-10.00	412.20	-10.00	123.44
295	0.00	54.56	-10.00	412.20	-10.00	123.44
300	0.00	58.63	-10.00	412.20	-10.00	123.44
305	0.00	62.78	-10.00	412.20	-10.00	123.44
310	0.00	67.00	-10.00	412.20	-10.00	123.44
315	0.00	71.27	-10.00	412.20	-10.00	123.44
320	0.00	75.59	-10.00	412.20	-10.00	123.44
325	0.00	79.93	-10.00	412.20	-10.00	123.44
330	0.00	84.28	-10.00	412.20	-10.00	123.44
335	0.00	88.65	-10.00	412.20	-10.00	123.44
340	0.00	93.03	-10.00	412.20	-10.00	123.44
345	0.00	97.39	-10.00	412.20	-10.00	123.44
350	0.00	101.74	-10.00	412.20	-10.00	123.44
355	0.00	106.08	-10.00	412.20	-10.00	123.44