

19700 Janelia Farm Boulevard

Ashburn, VA 20147

(703) 726-5500

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COMSEARCH®

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December 10, 2009

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

Re: Petrocom License Corp.
East Breaks 165 (Oil Platform), Gulf of Mexico
C-Band Transmit-Receive Earth Station
Job Number: 091210COMSJC10

***** EXPEDITED FREQUENCY COORDINATION *****
***** PLEASE RESPOND BY DECEMBER 28, 2009 *****

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 expedited coordination data on behalf of Petrocom License Corp., 5901 Earhart Expressway, Harahan, Louisiana 70123 for a proposed C-band transmit/receive earth station to be located on an oil platform designated East Breaks 165, 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 December 28, 2009.

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: 12/10/2009
Job Number: 091210COMSJC10

Administrative Information

Status ENGINEER PROPOSAL
Call Sign
License Code PETCOM
Licensee Name PETROCOM LICENSE CORP.

Site Information

EAST BREAKS 165 (Oil Platform), GULF of MEXICO

Venue Name
Latitude (NAD 83) 27° 49' 7.4" N
Longitude (NAD 83) 94° 19' 22.2" 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 124.4° to 247.7°
Corresponding Elevation Angles 40.3° / 28.1°
Antenna Centerline (AGL) 30.48 m / 100.0 ft

Antenna Information

Manufacturer
Model
Gain / Diameter
3-dB / 15-dB Beamwidth

Receive

Prodelin Corp.
1251
38.0 dBi / 2.4 m
2.16° / 4.00°

Transmit

Prodelin Corp.
1251
42.5 dBi / 2.4 m
1.36° / 2.54°

85K0G7W to 340KG7W

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

-25.1 -25.1
-11.8 -5.8

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

17.4 17.4
30.7 36.7
30.7 36.7

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

85K0G7W - 340KG7W / 3700.0 - 4200.0

Transmit 6.1 GHz

85K0G7W - 340KG7W / 5925.0 - 6425.0

Max Great Circle Coordination Distance
Precipitation Scatter Contour Radius

489.8 km / 304.3 mi
491.4 km / 305.3 mi

127.3 km / 79.1 mi
100.0 km / 62.1 mi

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Coordination Values**E. BREAKS 165 (Oil Platform), GM**

Licensee Name	PETROCOM LICENSE CORP.		
Latitude (NAD 83)	27° 49' 7.4" N		
Longitude (NAD 83)	94° 19' 22.2" W		
Ground Elevation (AMSL)	0.0 m / 0.0 ft		
Antenna Centerline (AGL)	30.48 m / 100.0 ft		
Antenna Model	Prodelin Corp. 1251		
Antenna Mode	Receive 4.0 GHz		Transmit 6.1 GHz
Interference Objectives:	Long Term	-156.0 dBW/MHz 20%	-154.0 dBW/4 kHz 20%
	Short Term	-146.0 dBW/MHz 0.01%	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power			-25.1 (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)
0	0.00	109.57	-10.00	412.20	-10.00	113.45
5	0.00	111.96	-10.00	412.20	-10.00	113.45
10	0.00	108.33	-10.00	412.20	-10.00	113.45
15	0.00	104.64	-10.00	412.20	-10.00	113.45
20	0.00	100.90	-10.00	412.20	-10.00	113.45
25	0.00	97.12	-10.00	412.20	-10.00	113.45
30	0.00	93.32	-10.00	412.20	-10.00	113.45
35	0.00	89.51	-10.00	412.20	-10.00	113.45
40	0.00	85.70	-10.00	412.20	-10.00	113.45
45	0.00	81.90	-10.00	412.20	-10.00	113.45
50	0.00	78.13	-10.00	412.20	-10.00	113.45
55	0.00	74.40	-10.00	412.20	-10.00	113.45
60	0.00	70.73	-10.00	412.20	-10.00	113.45
65	0.00	67.12	-10.00	412.20	-10.00	113.45
70	0.00	63.61	-10.00	412.20	-10.00	113.45
75	0.00	60.21	-10.00	412.20	-10.00	113.45
80	0.00	56.95	-10.00	412.20	-10.00	113.45
85	0.00	53.86	-10.00	412.20	-10.00	113.45
90	0.00	50.98	-10.00	412.20	-10.00	113.45
95	0.00	48.34	-10.00	412.20	-10.00	113.45
100	0.00	45.99	-9.57	417.61	-9.57	114.53
105	0.00	43.98	-9.08	423.75	-9.08	115.74
110	0.00	42.37	-8.68	428.98	-8.68	116.76
115	0.00	41.19	-8.37	432.95	-8.37	115.65
120	0.00	40.49	-8.18	435.37	-8.18	116.11
125	0.00	40.30	-8.13	436.04	-8.13	116.24
130	0.00	40.63	-8.22	434.90	-8.22	116.02
135	0.00	41.45	-8.44	432.06	-8.44	117.35
140	0.00	42.74	-8.77	427.74	-8.77	116.52
145	0.00	44.46	-9.20	422.25	-9.20	115.45
150	0.00	46.56	-9.70	415.92	-9.70	114.19
155	0.00	48.99	-10.00	412.20	-10.00	113.45
160	0.00	51.68	-10.00	412.20	-10.00	113.45
165	0.00	54.10	-10.00	412.20	-10.00	113.45
170	0.00	55.96	-10.00	412.20	-10.00	113.45
175	0.00	57.13	-10.00	412.20	-10.00	113.45
180	0.00	57.53	-10.00	412.20	-10.00	113.45
185	0.00	57.13	-10.00	412.20	-10.00	113.45

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Antenna Centerline (AGL)	30.48 m / 100.0 ft				
Antenna Model	Prodelin Corp. 1251				
Antenna Mode	Receive 4.0 GHz		Transmit 6.1 GHz		
Interference Objectives: Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%	
Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%	
Max Available RF Power	-25.1 (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	55.96	-10.00	412.20	-10.00	113.45
195	0.00	54.10	-10.00	412.20	-10.00	113.45
200	0.00	51.68	-10.00	412.20	-10.00	113.45
205	0.00	48.80	-10.00	412.20	-10.00	113.45
210	0.00	45.55	-9.46	418.91	-9.46	114.79
215	0.00	42.04	-8.59	430.06	-8.59	116.97
220	0.00	38.61	-7.67	442.20	-7.67	117.44
225	0.00	35.50	-6.75	454.55	-6.75	119.88
230	0.00	32.78	-5.89	465.89	-5.89	122.30
235	0.00	30.58	-5.14	476.62	-5.14	124.51
240	0.00	29.01	-4.57	484.92	-4.57	126.25
245	0.00	28.18	-4.25	489.58	-4.25	127.23
250	0.00	28.15	-4.24	489.76	-4.24	127.26
255	0.00	28.92	-4.53	485.42	-4.53	126.35
260	0.00	30.44	-5.09	477.35	-5.09	124.67
265	0.00	32.60	-5.83	466.76	-5.83	122.48
270	0.00	35.28	-6.69	455.47	-6.69	120.07
275	0.00	38.37	-7.60	443.13	-7.60	117.62
280	0.00	41.77	-8.52	430.96	-8.52	117.14
285	0.00	45.42	-9.43	419.30	-9.43	114.86
290	0.00	49.27	-10.00	412.20	-10.00	113.45
295	0.00	53.25	-10.00	412.20	-10.00	113.45
300	0.00	57.35	-10.00	412.20	-10.00	113.45
305	0.00	61.54	-10.00	412.20	-10.00	113.45
310	0.00	65.79	-10.00	412.20	-10.00	113.45
315	0.00	70.10	-10.00	412.20	-10.00	113.45
320	0.00	74.45	-10.00	412.20	-10.00	113.45
325	0.00	78.82	-10.00	412.20	-10.00	113.45
330	0.00	83.22	-10.00	412.20	-10.00	113.45
335	0.00	87.63	-10.00	412.20	-10.00	113.45
340	0.00	92.04	-10.00	412.20	-10.00	113.45
345	0.00	96.45	-10.00	412.20	-10.00	113.45
350	0.00	100.85	-10.00	412.20	-10.00	113.45
355	0.00	105.22	-10.00	412.20	-10.00	113.45