



February 05, 2013

Re: Saipem America Inc.  
SAIPEM, Gulf of Mexico  
C-Band Transmit-Receive Earth Station  
Job Number: 130205COMSGE01

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 Saipem America Inc., 15950 Park Row Houston, TX 77084 for a C-Band Transmit-Receive Earth Station to be located in SAIPEM, GM.

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 us by March 12, 2013.

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

Sincerely,

COMSEARCH

Gary K. Edwards  
Senior Manager  
gedwards@comsearch.com

Enclosure(s)

Date: 02/05/2013  
Job Number: <PCNJobCode>

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**Administrative Information**

Status ENGINEER PROPOSAL  
Call Sign <PCNCallSign>  
Licensee Code SAIPEM  
Licensee Name Saipem America Inc.

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**Site Information SAIPEM, GM**

Venue Name  
Latitude (NAD 83) 28° 15' 0.0" N  
Longitude (NAD 83) 90° 13' 0.0" W  
Climate Zone B  
Rain Zone 1  
Ground Elevation (AMSL) 0.0 m / 0.0 ft

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**Link Information**

Satellite Type Geostationary  
Mode TR - Transmit-Receive  
Modulation Digital  
Satellite Arc 34.5° W to 34.5° West Longitude  
Azimuth Range 107.9° to 107.9°  
Corresponding Elevation Angles 21.7° / 21.7°  
Antenna Centerline (AGL) 51.51 m / 169.0 ft

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**Antenna Information**

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

**Receive - FCC32**

Orbit  
AL-7108  
37.5 dBi / 2.4 m  
2.10° / 5.10°

**Transmit - FCC32**

Orbit  
AL-7108  
40.8 dBi / 2.4 m  
1.40° / 3.40°

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

-10.3  
13.7

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

30.5  
54.5

Interference Objectives: Long Term  
Short Term

-156.0 dBW/MHz 20%  
-146.0 dBW/MHz 0.01%

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

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**Frequency Information**

Emission / Frequency Range (MHz)

**Receive 4.0 GHz**  
3M55G7D / 3700.0 - 4200.0

**Transmit 6.1 GHz**  
3M55G7D / 5925.0 - 6260.0  
3M55G7D / 6313.0 - 6425.0

Max Great Circle Coordination Distance  
Precipitation Scatter Contour Radius

532.8 km / 331.0 mi  
575.5 km / 357.6 mi

206.3 km / 128.2 mi  
100.0 km / 62.1 mi

Coordination Values		SAIPEM, GM			
Licensee Name		Saipem America Inc.			
Latitude (NAD 83)		28° 15' 0.0" N			
Longitude (NAD 83)		90° 13' 0.0" W			
Ground Elevation (AMSL)		0.0 m / 0.0 ft			
Antenna Centerline (AGL)		51.51 m / 169.0 ft			
Antenna Model		Orbit 2.4 Meter			
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			-10.3 (dBW/4 kHz)		

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz		Coordination Distance (km)
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)	
0	0.00	106.58	-10.00	412.20	-10.00	161.52	
5	0.00	101.96	-10.00	412.20	-10.00	161.52	
10	0.00	97.33	-10.00	412.20	-10.00	161.52	
15	0.00	92.68	-10.00	412.20	-10.00	161.52	
20	0.00	88.04	-10.00	412.20	-10.00	161.52	
25	0.00	83.39	-10.00	412.20	-10.00	161.52	
30	0.00	78.75	-10.00	412.20	-10.00	161.52	
35	0.00	74.13	-10.00	412.20	-10.00	161.52	
40	0.00	69.52	-10.00	412.20	-10.00	161.52	
45	0.00	64.94	-10.00	412.20	-10.00	161.52	
50	0.00	60.39	-10.00	412.20	-10.00	161.52	
55	0.00	55.89	-10.00	412.20	-10.00	161.52	
60	0.00	51.45	-10.00	412.20	-10.00	161.52	
65	0.00	47.08	-9.82	414.42	-9.82	162.33	
70	0.00	42.82	-8.79	427.47	-8.79	167.08	
75	0.00	38.70	-7.69	441.87	-7.69	172.35	
80	0.00	34.77	-6.53	457.62	-6.53	178.12	
85	0.00	31.11	-5.32	473.96	-5.32	184.36	
90	0.00	27.82	-4.11	491.65	-4.11	190.86	
95	0.00	25.05	-2.97	508.85	-2.97	197.54	
100	0.00	22.99	-2.04	523.33	-2.04	202.83	
105	0.00	21.85	-1.49	532.14	-1.49	206.03	
110	0.00	21.77	-1.45	532.81	-1.45	206.28	
115	0.00	22.75	-1.93	525.14	-1.93	203.49	
120	0.00	24.68	-2.81	511.33	-2.81	198.45	
125	0.00	27.35	-3.93	494.38	-3.93	191.86	
130	0.00	30.57	-5.13	476.67	-5.13	185.35	
135	0.00	34.19	-6.35	460.17	-6.35	179.06	
140	0.00	38.08	-7.52	444.21	-7.52	173.20	
145	0.00	42.18	-8.63	429.61	-8.63	167.86	
150	0.00	46.42	-9.67	416.35	-9.67	163.03	
155	0.00	50.77	-10.00	412.20	-10.00	161.52	
160	0.00	55.20	-10.00	412.20	-10.00	161.52	
165	0.00	59.70	-10.00	412.20	-10.00	161.52	
170	0.00	64.24	-10.00	412.20	-10.00	161.52	
175	0.00	68.81	-10.00	412.20	-10.00	161.52	
180	0.00	73.42	-10.00	412.20	-10.00	161.52	
185	0.00	78.04	-10.00	412.20	-10.00	161.52	

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Ground Elevation (AMSL)		0.0 m / 0.0 ft			
Antenna Centerline (AGL)		51.51 m / 169.0 ft			
Antenna Model		Orbit 2.4 Meter			
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			-10.3 (dBW/4 kHz)		

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz		Coordination Distance (km)
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)	
190	0.00	82.67	-10.00	412.20	-10.00	161.52	
195	0.00	87.32	-10.00	412.20	-10.00	161.52	
200	0.00	91.96	-10.00	412.20	-10.00	161.52	
205	0.00	96.61	-10.00	412.20	-10.00	161.52	
210	0.00	101.25	-10.00	412.20	-10.00	161.52	
215	0.00	105.87	-10.00	412.20	-10.00	161.52	
220	0.00	110.48	-10.00	412.20	-10.00	161.52	
225	0.00	115.06	-10.00	412.20	-10.00	161.52	
230	0.00	119.61	-10.00	412.20	-10.00	161.52	
235	0.00	124.11	-10.00	412.20	-10.00	161.52	
240	0.00	128.55	-10.00	412.20	-10.00	161.52	
245	0.00	132.92	-10.00	412.20	-10.00	161.52	
250	0.00	137.18	-10.00	412.20	-10.00	161.52	
255	0.00	141.30	-10.00	412.20	-10.00	161.52	
260	0.00	145.23	-10.00	412.20	-10.00	161.52	
265	0.00	148.89	-10.00	412.20	-10.00	161.52	
270	0.00	152.18	-10.00	412.20	-10.00	161.52	
275	0.00	154.95	-10.00	412.20	-10.00	161.52	
280	0.00	157.01	-10.00	412.20	-10.00	161.52	
285	0.00	158.15	-10.00	412.20	-10.00	161.52	
290	0.00	158.23	-10.00	412.20	-10.00	161.52	
295	0.00	157.25	-10.00	412.20	-10.00	161.52	
300	0.00	155.32	-10.00	412.20	-10.00	161.52	
305	0.00	152.65	-10.00	412.20	-10.00	161.52	
310	0.00	149.43	-10.00	412.20	-10.00	161.52	
315	0.00	145.81	-10.00	412.20	-10.00	161.52	
320	0.00	141.92	-10.00	412.20	-10.00	161.52	
325	0.00	137.82	-10.00	412.20	-10.00	161.52	
330	0.00	133.58	-10.00	412.20	-10.00	161.52	
335	0.00	129.23	-10.00	412.20	-10.00	161.52	
340	0.00	124.80	-10.00	412.20	-10.00	161.52	
345	0.00	120.30	-10.00	412.20	-10.00	161.52	
350	0.00	115.76	-10.00	412.20	-10.00	161.52	
355	0.00	111.19	-10.00	412.20	-10.00	161.52	