

SES-STA-20120612-00505
CUBANA DE TELEVISION, MIAMI LLC

IB2012001405

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 for a 3.7 meter C-band T/R earth station in Miami, Florida

1. Applicant

Name:	CUBANA DE TELEVISION, MIAMI LLC	Phone Number:	305-316-9347
DBA Name:		Fax Number:	
Street:	2190 SW 8th Street	E-Mail:	renato@disitron.com
City:	Miami	State:	FL
Country:	USA	Zipcode:	33135 -
Attention:	Mr ROBERTO F MARRERO		

With conditions



File # SES-STA-20120612-00505

Call Sign NA Grant Date 6/15/2012
(or other identifier)

Term Dates
From 6/15/2012 To: 7/14/2012

Approved: Paul E. Blaes

CUBANA-DE TELEVISION MIAMI LLC
SES-STA-20120612-00505
Special Temporary Authority

CUBANA DE TELEVISION MIAMI LLC (CUBANA) is authorized to use 3.7 Meter C-band T/R earth station located in Miami, Florida, from June 15, 2012 to July 14, 2012 to communicate with satellites at orbital position 87° W.L. under the following conditions.

- 1) CUBANA must acquire authorization from the satellite operator to transmit to its satellite and must comply with satellite operator requirements.
- 2) The earth station operating parameters may not exceed the values specified in the coordination report submitted with this application.
- 3) CUBANA, 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.
- 4) Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future CUBANA applications.
- 5) Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at CUBANA's risk.
- 6) 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.



File # SES - STA - 2012 0612 - 00505

Call Sign NA Grant Date 6/15/2012
(or other identifier)

Term Dates
From 6/15/2012 To: 7/14/2012

Approved: Paul R. Black

2. Contact	
Name: Renato Schiavon	Phone Number: 305 671-3333
Company: Disitron Industries, Inc.	Fax Number:
Street: 3381 NW 168th Street	E-Mail: renato@disitron.com
City: Miami Gardens	State: FL
Country: USA	Zipcode: 33056 -
Attention:	Relationship:
(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 06/19/2012	
7. City Miami	8. Latitude (dd mm ss.s h) 25 45 54.0 N

9. State FL	10. Longitude (dd mm ss.s h) 80 13 49.4 W
11. Please supply any need attachments. Attachment 1: Coordination Attachment 2: Antenna Waiver Attachment 3:	
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;">Special Temporary Authority for a 3.7 Meter C-band T/R earth station to be located in Miami, Florida. A permanent license request will follow upon completion of frequency coordination. The STA is requested to support critical broadcast operations of the applicant.</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 Robert Marrero	15. Title of Person Signing President
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 PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.

Non-Compliant Antenna Waiver Request

Re: 3.7 Meter Fixed Earth Station
Fixed Satellite Service
C-Band 3700 – 4200 and 5925 – 6425 MHz

The proposed antenna Prodelin 1374, 3.7 Meter earth station does not strictly comply with 25.209 of the FCC Rules and Regulations.

In the Part 25 Earth Station Fifth Report and Order, the Federal Communications Commission (Commission) adopted streamlined procedures for reviewing non-routine earth station license applications. As part of that Report and Order, the Commission directed the International Bureau to create a list of approved non-routine earth station antennas to be posted on the Commission's website. The Commission concluded that a website listing approved non-routine antennas, including antenna gain patterns and the conditions placed on the use of each antenna, would help applicants in preparing applications for non-routine earth station licenses and expedite review of these applications.

Earth station applicants proposing to use an antenna that is on this list will no longer need to attach antenna radiation plots as an exhibit to their applications, as required by Section 25.132(b)(3) of the Commission's rules. They need only provide an attachment to their applications citing the particular non-routine earth station antenna they plan to use, and an application file number and call sign of a license in which that type of non-routine antenna has been approved.

The application file number and call sign, SES-MOD-20080307-00248 and E960031 of a previously licensed Prodelin 1374, 3.7 meter earth station, indicates that the antenna proposed in this application will operate without conflict.

The maximum input spectral power density into the antenna for the proposed 3.7 meter Prodelin 1374 antenna will not exceed -13.1 dBW/4 kHz.

In this case, the antenna exceeds the patterns of §25.209 in the 1° to 1.9° region measured at the low, mid, and high frequency bands. The Max EIRP Density at the Antenna Flange is -13.1 dBW/4KHz. This figure is below the maximum allowed of -2.7 dBW/4KHz by a margin of at least 10.4 dB for all off-axis angles.

The applicant agrees to accept any adjacent satellite interference in the 4 GHz receive band as a result of the performance of the antenna. The applicant understands that adjacent satellite interference protection applies only to the extent of the criteria set forth in §25.209. Should the use of this antenna cause interference to other systems; the applicant agrees to terminate transmission upon notice from the Commission.

Should the use of this antenna cause interference to other systems; the applicant agrees to terminate transmission upon notice from the Commission.

The minimum elevation angle of the proposed earth station will not exceed the minimum elevation angle of 8.4° of the previously licensed 3.7 meter under Call Sign E960031, therefore the antenna gains for the proposed will not exceed those of that previously licensed with respect to any transmit power limitations.

Per §25.115(h)(4) the earth station applicant certifies that it will limit its pointing error to 0.5.

Summary

The antenna pattern contained with this application exceeds the CFR 25.209 sidelobe specification for the sidelobe envelope in the 1° to 1.9° region. Outside the main beam, the antenna meets the requirements of 25.209.

The application file number (SES-MOD-20080307-00248) and call sign, (E960031), of a previously licensed Prodelin 1374, 3.7 meter earth station, indicates that the antenna proposed in this application will operate without conflict.

The power density restrictions specified by the FCC for small diameter antennas utilizing digital traffic at C-Band is -2.7 dBW/4 kHz. This antenna will operate at a maximum transmit power density of -13.1 dBW/4 kHz.

If the use of this antenna should cause interference to other systems, the applicant will terminate such transmissions immediately upon notice from the FCC or offended parties.



COMSEARCH

A CommScope Company

June 12, 2012

Re: Cubana De Television, Miami LLC
MIAMI, FL (3.7 Meter)
C-Band Transmit-Receive Earth Station
Job Number: 120612COMSGE01

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 Cubana De Television, Miami LLC, 2190 SW 8th Street Miami, FL 33135 for a C-Band Transmit-Receive Earth Station to be located in MIAMI, FL.

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 July 17, 2012.

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: 06/12/2012
Job Number: <PCNJobCode>

Administrative Information

Status ENGINEER PROPOSAL
Call Sign <PCNCallSign>
Licensee Code CUBANA
Licensee Name Cubana De Television, Miami LLC

Site Information

Venue Name **MIAMI, FL**
Latitude (NAD 83) 25° 45' 54.0" N
Longitude (NAD 83) 80° 13' 49.4" W
Climate Zone B
Rain Zone 1
Ground Elevation (AMSL) 3.05 m / 10.0 ft

Link Information

Satellite Type Geostationary
Mode TR - Transmit-Receive
Modulation Digital
Satellite Arc 87° W to 87° West Longitude
Azimuth Range 195.3° to 195.3°
Corresponding Elevation Angles 58.9° / 58.9°
Antenna Centerline (AGL) 6.1 m / 20.0 ft

Antenna Information

Manufacturer Prodelin
Model 3.7 Meter
Gain / Diameter 41.0 dBi / 3.7 m
3-dB / 15-dB Beamwidth 1.40° / 2.40°
Max Available RF Power (dBW/4 kHz)
(dBW/MHz) -13.1
10.9
Maximum EIRP (dBW/4 kHz)
(dBW/MHz) 32.8
56.8
Interference Objectives: Long Term -156.0 dBW/MHz 20%
20% Short Term -146.0 dBW/MHz 0.01%
-154.0 dBW/4 kHz
-131.0 dBW/4 kHz 0.0025%

Receive - FCC32

Prodelin
3.7 Meter
45.9 dBi / 3.7 m
1.50° / 3.00°

Transmit - FCC32

Prodelin
3.7 Meter
45.9 dBi / 3.7 m
1.50° / 3.00°

Frequency Information

Emission / Frequency Range (MHz) **Receive 4.0 GHz**
4M30G7W / 3700.0 - 4200.0
Transmit 6.1 GHz
4M30G7W / 5925.0 - 5988.0
4M30G7W / 6051.0 - 6136.0
4M30G7W / 6169.0 - 6260.0
4M30G7W / 6332.0 - 6388.0
4M30G7W / 6421.0 - 6425.0

Max Great Circle Coordination Distance
Precipitation Scatter Contour Radius

412.2 km / 256.1 mi
100.0 km / 62.1 mi
149.5 km / 92.9 mi
100.0 km / 62.1 mi

Coordination Values

MIAMI, FL
Cubana De Television, Miami LLC
25° 45' 54.0" N
80° 13' 49.4" W
3.05 m / 10.0 ft
6.1 m / 20.0 ft
Prodelin 3.7 Meter

Antenna Mode Receive 4.0 GHz

Interference Objectives: Long Term -156.0 dBW/MHz

Short Term 0.01%

Max Available RF Power -13.1 (dBW/4 kHz)

Transmit 6.1 GHz
-154.0 dBW/4 kHz 20%
-131.0 dBW/4 kHz 0.0025%

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	119.84	-10.00	412.20	-10.00	149.52	
5	0.00	120.50	-10.00	412.20	-10.00	149.52	
10	0.00	120.91	-10.00	412.20	-10.00	149.52	
15	0.00	121.05	-10.00	412.20	-10.00	149.52	
20	0.00	120.94	-10.00	412.20	-10.00	149.52	
25	0.00	120.56	-10.00	412.20	-10.00	149.52	
30	0.00	119.93	-10.00	412.20	-10.00	149.52	
35	0.00	119.05	-10.00	412.20	-10.00	149.52	
40	0.00	117.94	-10.00	412.20	-10.00	149.52	
45	0.00	116.61	-10.00	412.20	-10.00	149.52	
50	0.00	115.08	-10.00	412.20	-10.00	149.52	
55	0.00	113.37	-10.00	412.20	-10.00	149.52	
60	0.00	111.50	-10.00	412.20	-10.00	149.52	
65	0.00	109.48	-10.00	412.20	-10.00	149.52	
70	0.00	107.33	-10.00	412.20	-10.00	149.52	
75	0.00	105.07	-10.00	412.20	-10.00	149.52	
80	0.00	102.72	-10.00	412.20	-10.00	149.52	
85	0.00	100.30	-10.00	412.20	-10.00	149.52	
90	0.00	97.81	-10.00	412.20	-10.00	149.52	
95	0.00	95.28	-10.00	412.20	-10.00	149.52	
100	0.00	92.72	-10.00	412.20	-10.00	149.52	
105	0.00	90.14	-10.00	412.20	-10.00	149.52	
110	0.00	87.56	-10.00	412.20	-10.00	149.52	
115	0.00	85.00	-10.00	412.20	-10.00	149.52	
120	0.00	82.46	-10.00	412.20	-10.00	149.52	
125	0.00	79.97	-10.00	412.20	-10.00	149.52	
130	0.00	77.54	-10.00	412.20	-10.00	149.52	
135	0.00	75.18	-10.00	412.20	-10.00	149.52	
140	0.00	72.91	-10.00	412.20	-10.00	149.52	
145	0.00	70.75	-10.00	412.20	-10.00	149.52	
150	0.00	68.71	-10.00	412.20	-10.00	149.52	
155	0.00	66.82	-10.00	412.20	-10.00	149.52	
160	0.00	65.09	-10.00	412.20	-10.00	149.52	
165	0.00	63.54	-10.00	412.20	-10.00	149.52	
170	0.00	62.19	-10.00	412.20	-10.00	149.52	
175	0.00	61.06	-10.00	412.20	-10.00	149.52	
180	0.00	60.16	-10.00	412.20	-10.00	149.52	
185	0.00	59.50	-10.00	412.20	-10.00	149.52	

Coordination Values

MIAMI, FL
Cubana De Television, Miami LLC
25° 45' 54.0" N
80° 13' 49.4" W
3.05 m / 10.0 ft
6.1 m / 20.0 ft
Prodelin 3.7 Meter

Antenna Mode Receive 4.0 GHz

Interference Objectives: Long Term -156.0 dBW/MHz

Short Term 20%

Max Available RF Power -146.0 dBW/MHz

Transmit 6.1 GHz

-154.0 dBW/4 kHz

20%

-131.0 dBW/4 kHz

0.01%

-13.1 (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	59.09	-10.00	412.20	-10.00	149.52	
195	0.00	58.95	-10.00	412.20	-10.00	149.52	
200	0.00	59.06	-10.00	412.20	-10.00	149.52	
205	0.00	59.44	-10.00	412.20	-10.00	149.52	
210	0.00	60.07	-10.00	412.20	-10.00	149.52	
215	0.00	60.95	-10.00	412.20	-10.00	149.52	
220	0.00	62.06	-10.00	412.20	-10.00	149.52	
225	0.00	63.39	-10.00	412.20	-10.00	149.52	
230	0.00	64.92	-10.00	412.20	-10.00	149.52	
235	0.00	66.63	-10.00	412.20	-10.00	149.52	
240	0.00	68.50	-10.00	412.20	-10.00	149.52	
245	0.00	70.52	-10.00	412.20	-10.00	149.52	
250	0.00	72.67	-10.00	412.20	-10.00	149.52	
255	0.00	74.93	-10.00	412.20	-10.00	149.52	
260	0.00	77.28	-10.00	412.20	-10.00	149.52	
265	0.00	79.70	-10.00	412.20	-10.00	149.52	
270	0.00	82.19	-10.00	412.20	-10.00	149.52	
275	0.00	84.72	-10.00	412.20	-10.00	149.52	
280	0.00	87.28	-10.00	412.20	-10.00	149.52	
285	0.00	89.86	-10.00	412.20	-10.00	149.52	
290	0.00	92.44	-10.00	412.20	-10.00	149.52	
295	0.00	95.00	-10.00	412.20	-10.00	149.52	
300	0.00	97.54	-10.00	412.20	-10.00	149.52	
305	0.00	100.03	-10.00	412.20	-10.00	149.52	
310	0.00	102.46	-10.00	412.20	-10.00	149.52	
315	0.00	104.82	-10.00	412.20	-10.00	149.52	
320	0.00	107.09	-10.00	412.20	-10.00	149.52	
325	0.00	109.25	-10.00	412.20	-10.00	149.52	
330	0.00	111.29	-10.00	412.20	-10.00	149.52	
335	0.00	113.18	-10.00	412.20	-10.00	149.52	
340	0.00	114.91	-10.00	412.20	-10.00	149.52	
345	0.00	116.46	-10.00	412.20	-10.00	149.52	
350	0.00	117.81	-10.00	412.20	-10.00	149.52	
355	0.00	118.94	-10.00	412.20	-10.00	149.52	