

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:
E040464 STA (Alignment -- Galaxy 15 Interference)

1. Applicant

Name:	NBC Telemundo License Co.	Phone Number:	202-637-4262
DBA Name:		Fax Number:	202-637-4548
Street:	1299 Pennsylvania Avenue, NW 9th Floor	E-Mail:	margaret.tobey@nbcuni.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20004 -
Attention:	Ms Margaret L Tobey		

With Conditions



File # SES-STA-20100603-00672

Call Sign E040464 Grant Date 7 June 2010
(or other identifier)

Term Dates
From 6/7/10 To: 6/16/10

Approved: Katherine Medley

Chief, Satellite Engrs. Bn

Attachment
NBC Telemundo License Co.
SES-STA-20100603-00672
Call Sign E040464

Conditions of Grant
June 7, 2010

1. All operations shall be in accordance with the operational parameters coordinated in the COMSEARCH report dated June 2, 2010 and attached as part of this application.
2. This operation is authorized on a non-protected, non-interference basis.
3. Upon receipt of notice that interference is being caused by these transmissions, NBC Telemundo License Co. (NBC) shall immediately cease operations. NBC shall notify the Commission within 24 hours of the receipt of such notice.

With Conditions

File # SES-STA-20100603-00672

Call Sign E040464 Grant Date 7 June 2010
(or other identifier)

Term Dates
From 6/7/10 To: 6/16/10

Approved: [Signature]

Chief, Satellite Emrys B.



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City:	Washington	State:	DC
Country:	USA	Zipcode:	20004 -
Attention:	Ms Margaret L Tobey		

2. Contact	
Name: NBC Telemundo License Co.	Phone Number: 202-637-4262
Company:	Fax Number: 202-637-4548
Street: 1299 Pennsylvania Avenue, NW 9th Floor	E-Mail: margaret.tobey@nbcuni.com
City: Washington	State: DC
Country: USA	Zipcode: 20004 -
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 type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date	
7. City Englewood Cliffs	8. Latitude (dd mm ss.s h) 40 53 40.2 N

9. State NJ	10. Longitude (dd mm ss.s h) 73 56 33.3 W
11. Please supply any need attachments. Attachment 1: Frequency Coord. Attachment 2: 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 (STA) is hereby requested to permit temporary operation of Earth Station E040464, licensed to NBC Telemundo License Co. (NBC Telemundo), on frequency 5965.0 MHz for antenna alignment purposes related to the movement of out-of-control satellite Galaxy 15. The NBC Telemundo earth station is used to provide cable television</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 Margaret L. Tobey	15. Title of Person Signing Assistant Secretary
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).	

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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.

12. Description

Special Temporary Authority (STA) is hereby requested to permit temporary operation of Earth Station E040464, licensed to NBC Telemundo License Co. (NBC Telemundo), on frequency 5965.0 MHz for antenna alignment purposes related to the movement of out-of-control satellite Galaxy 15. The NBC Telemundo earth station is used to provide cable television programming to multichannel video programming distributors (MVPDs). Although Galaxy 15 has now moved out of AMC-11's orbital box without incident, the STA is needed while SES-1 and AMC-11 are moved into their authorized orbital positions and the affected uplinks are moved from SES-1 back to AMC-11. The STA is requested to be effective June 7, 2010, for a period not to exceed ten days, as per discussion between Kathryn Medley, FCC, and Doug Lung, NBC Telemundo. The Frequency Coordination and Interference Analysis Report prepared by Comsearch, which is submitted as Attachment 1, demonstrates that the earth station will operate satisfactorily with the common carrier microwave environment and that there are no unresolved interference cases involving the subject earth station. Accordingly, grant of the STA will serve the public service by ensuring uninterrupted feeds of television programming to MVPDs and their subscribers.

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
NBC Telemundo License Co. (New York City)
ENGLEWOOD CL, NJ
E040464
Temporary operation for 06/07/2010 – 06/08/2010
C-Band Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
June 02, 2010

An interference study considering all existing, proposed and prior coordinated microwave facilities within the coordination contours of the proposed earth station demonstrates that this site will operate satisfactorily with the common carrier microwave environment. Operation will be restricted to the satellite and frequency shown in this report.

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations.

Verbal and written coordination for this earth station was conducted on 06/02/2010. There are no unresolved interference cases involving this earth station.

Company
ALGONQUIN GAS TRANSMISSION CO
Allentown SMSA Limited Partnership
Ascent Media Network Services, Inc.
COMMONWEALTH OF PENNSYLVANIA, RADIO PROJ.
CONNECTICUT STATE POLICE DEPARTMENT
CONSOLIDATED EDISON COMPANY OF NEW YORK
Celloco Partnership - (W-NY)
Celloco Partnership - CT, W-MA, VT
Celloco Partnership-Newark-Dallas Verizon
Celloco Ptnrshp - Phil. Tri-State Rgn
County of Orange Div of Wireless Tech
Direct Broadcast Services, Inc.
EASTERN PENNSYLVANIA EMS COUNCIL
Exelon Generation Company, L.L.C
FELHC, Inc.
Federal Communications Commission
Goosetown Network Services, LLC
International Communications Group, Inc.
LB Tower Company LLC
METROPOLITAN AREA NETWORKS, INC.
MONROE COUNTY CONTROL CENTER
NBC TELEMUNDO LICENSE CO.

NEW JERSEY STATE POLICE
NEW JERSEY TRANSIT RAIL OPERATIONS, INC
NEW YORK CITY POLICE DEPARTMENT
NORTHEAST UTILITIES SERVICE COMPANY
Nassau County Police Department
New Cingular Wireless PCS LLC -NJ
New Cingular Wireless PCS LLC -NE Reg
New Cingular Wireless PCS of PA LLC
New Cingular Wireless PCS, LLC - NY
New Cingular Wireless PCS, LLC - PA
New Jersey, State of -NJ Transit
New York, City of
Northeast Pennsylvania SMSA LTD Ptnrsh
OCEAN, COUNTY OF
Orange Poughkeepsie SMSA LTD Partnership
Orange and Rockland Utilities, Inc.
PENNSYLVANIA TURNPIKE COMMISSION
PSEG Services Corporation
Peco Energy Company
Penn Service Microwave Co., Inc.
SBA Broadband Services
SUFFOLK, COUNTY OF
South Canaan Cellular Communications Co.
Stevens Institute of Technology
Texas Eastern Communications, Inc.

I HEREBY CERTIFY THAT I AM THE TECHNICALLY QUALIFIED PERSON RESPONSIBLE FOR THE PREPARATION OF THE FREQUENCY COORDINATION DATA CONTAINED IN THIS APPLICATION, THAT I AM FAMILIAR WITH PARTS 101 AND 25 OF THE FCC RULES AND REGULATIONS, THAT I HAVE EITHER PREPARED OR REVIEWED THE FREQUENCY COORDINATION DATA SUBMITTED WITH THIS APPLICATION, AND THAT IT IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Timothy O. Crutcher
Frequency Planner
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147

DATED: June 02, 2010

The following data presents the frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

Date: 06/02/2010
Job Number: 100602COMSTC01

Administrative Information

Status TEMPORARY (Operation from 06/07/2010 to 06/08/2010)
Call Sign E040464
Licensee Name NBC Telemundo License Co. (New York City)

Site Information

ENGLEWOOD CL, NJ

Latitude (NAD 83) 40° 53' 40.2" N
Longitude (NAD 83) 73° 56' 33.3" W
Climate Zone A
Rain Zone 2
Ground Elevation (AMSL) 124.97 m / 410.0 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Digital
Satellite Arc 131° W to 131° West Longitude
Azimuth Range 247.0° to 247.0°
Corresponding Elevation Angles 15.9° / 15.9°
Antenna Centerline (AGL) 6.1 m / 20.0 ft

Antenna Information

Transmit

Manufacturer VERTEXRSI
Gain / Diameter 53.7 dBi / 9.0 m
3-dB / 15-dB Beamwidth 0.35° / 0.74°

Max Available RF Power (dBW/4 KHz) -13.5
(dBW/MHz) 10.5
Maximum EIRP (dBW/4 KHz) 40.2
(dBW/MHz) 64.2
(dBW) 60.7

Interference Objectives: Long Term -154.0 dBW/4 KHz 20%
Short Term -131.0 dBW/4 KHz 0.0025%

Frequency Information

Transmit 6.1 GHz

Emission / Frequency Range (MHz) 1M00G7W / 5965.0

Max Great Circle Coordination Distance 174.8 km / 108.6 mi
Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

Coordination Values**ENGLEWOOD CL, NJ**

Licensee Name NBC Telemundo License Co. (New York City)

Latitude (NAD 83) 40°53'40.2" N

Longitude (NAD 83) 73°56'33.3" W

Ground Elevation (AMSL) 124.97 m / 410.0 ft

Antenna Centerline (AGL) 6.1 m / 20.0 ft

Antenna Mode Transmit 6.1 GHz

Interference Objectives: Long Term -154.0 dBW/4 KHz 20%

Short Term -131.0 dBW/4 KHz 0.0025%

Max Available RF Power -13.5 (dBW/4 KHz)

Azimuth (°)	Transmit 6.1 GHz		Antenna Discrimination (°)	Transmit 6.1 GHz	
	Horizon Elevation (°)	Horizon Gain (dBi)		Horizon Elevation (°)	Horizon Gain (dBi)
0	0.00	-10.00	112.06	-10.00	134.19
5	0.00	-10.00	116.83	-10.00	134.19
10	0.00	-10.00	121.58	-10.00	134.19
15	0.00	-10.00	126.30	-10.00	134.19
20	0.00	-10.00	130.98	-10.00	134.19
25	0.00	-10.00	135.61	-10.00	134.19
30	0.00	-10.00	140.17	-10.00	134.19
35	0.00	-10.00	144.63	-10.00	134.19
40	0.00	-10.00	148.96	-10.00	134.19
45	0.00	-10.00	153.08	-10.00	134.19
50	0.00	-10.00	156.87	-10.00	134.19
55	0.00	-10.00	160.16	-10.00	134.19
60	0.00	-10.00	162.65	-10.00	134.19
65	0.00	-10.00	163.97	-10.00	134.19
70	0.00	-10.00	163.82	-10.00	134.19
75	0.00	-10.00	162.24	-10.00	134.19
80	0.00	-10.00	159.57	-10.00	134.19
85	0.00	-10.00	156.16	-10.00	134.19
90	0.00	-10.00	152.29	-10.00	134.19
95	0.00	-10.00	148.13	-10.00	134.19
100	0.00	-10.00	143.77	-10.00	134.19
105	0.00	-10.00	139.28	-10.00	134.19
110	0.00	-10.00	134.71	-10.00	134.19
115	0.00	-10.00	130.06	-10.00	134.19
120	0.00	-10.00	125.37	-10.00	134.19
125	0.00	-10.00	120.65	-10.00	134.19
130	0.00	-10.00	115.90	-10.00	134.19
135	0.00	-10.00	111.13	-10.00	134.19
140	0.00	-10.00	106.34	-10.00	134.19
145	0.00	-10.00	101.54	-10.00	134.19
150	0.00	-10.00	96.74	-10.00	134.19
155	0.00	-10.00	91.93	-10.00	134.19
160	0.00	-10.00	87.12	-10.00	134.19
165	0.00	-10.00	82.32	-10.00	134.19
170	0.00	-10.00	77.52	-10.00	134.19
175	0.00	-10.00	72.72	-10.00	134.19
180	0.00	-10.00	67.94	-10.00	134.19
185	0.00	-10.00	63.17	-10.00	134.19

Coordination Values**ENGLEWOOD CL, NJ**

Licensee Name NBC Telemundo License Co. (New York Cty)

Latitude (NAD 83) 40° 53' 40.2" N

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Antenna Mode Transmit 6.1 GHz

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Short Term -131.0 dBW/4 kHz 0.0025%

Max Available RF Power -13.5 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	58.42	-10.00	134.19
195	0.00	53.70	-10.00	134.19
200	0.00	49.02	-10.00	134.19
205	0.00	44.39	-9.18	135.19
210	0.00	39.83	-8.01	138.56
215	0.00	35.37	-6.71	142.45
220	0.00	31.04	-5.30	146.95
225	0.00	26.92	-3.75	152.13
230	0.00	23.13	-2.10	157.98
235	0.00	19.84	-0.44	164.22
240	0.00	17.35	1.02	171.51
245	0.00	16.03	1.88	174.84
250	0.00	16.18	1.78	174.45
255	0.00	17.76	0.77	170.53
260	0.00	20.43	-0.76	163.00
265	0.00	23.84	-2.43	156.79
270	0.00	27.71	-4.07	151.06
275	0.00	31.87	-5.59	146.02
280	0.00	36.23	-6.98	141.64
285	0.00	40.72	-8.24	137.86
290	0.00	45.29	-9.40	134.58
295	0.00	49.94	-10.00	134.19
300	0.00	54.63	-10.00	134.19
305	0.00	59.35	-10.00	134.19
310	0.00	64.10	-10.00	134.19
315	0.00	68.87	-10.00	134.19
320	0.00	73.66	-10.00	134.19
325	0.00	78.46	-10.00	134.19
330	0.00	83.26	-10.00	134.19
335	0.00	88.07	-10.00	134.19
340	0.00	92.88	-10.00	134.19
345	0.00	97.68	-10.00	134.19
350	0.00	102.48	-10.00	134.19
355	0.00	107.28	-10.00	134.19