

19700 Janelia Farm Boulevard

Ashburn, VA 20147

(703) 726-5500

Fax (703) 726-5600



COMSEARCH®

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May 10, 2011

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

Re: NBC Telemundo License LLC
Englewood Cliffs, New Jersey
Call Sign: E040464
C-Band, Transmit-Receive Earth Stations
Job Number: 110510COMSJC01

***** LICENSE MODIFICATION NOTICE *****

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 NBC Telemundo License LLC to modify the license (E040464) of their existing C-band, transmit/receive earth stations in Englewood Cliffs, New Jersey.

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 station(s).

Please update your database with the attached information.

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 are not resolved, please contact Comsearch by June 9, 2011.

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

Sincerely,

COMSEARCH

Jeffrey E. Cowles
Engineer III, Telecommunications
jcowles@comsearch.com

Enclosure

COMSEARCH**Earth Station Data Sheet**

19700 Janelia Farm Boulevard, Ashburn, VA 20147

(703)726-5660 <http://www.comsearch.com>

Date: 05/10/2011
 Job Number: 110510COMSJC01

Administrative Information

Status: ENGINEER PROPOSAL
 Call Sign: E040464
 Licensee Code: NBCNYC
 Licensee Name: NBC Telemundo License LLC

Site Information **ENGLEWOOD CLIFFS, NEW JERSEY**

Venue Name:
 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: TR - Transmit-Receive
 Modulation: Digital
 Satellite Arc: 60° W to 143° West Longitude
 Azimuth Range: 159.2° to 255.9°
 Corresponding Elevation Angles: 40.6° / 7.0°
 Antenna Centerline (AGL): 6.1 m / 20.0 ft

Antenna Information

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

Receive

Vertex/RSI
 9 KPC
 49.9 dBi / 9.0 m
 0.54° / 1.13°

Transmit

Vertex/RSI
 9 KPC
 53.7 dBi / 9.0 m
 0.35° / 0.74°

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

-12.2
 11.8

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

41.5
 65.5

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

36M0G7W / 3700.0 - 4200.0

Transmit 6.1 GHz

36M0G7W / 5925.0 - 6425.0

Max Great Circle Coordination Distance
 Precipitation Scatter Contour Radius

541.9 km / 336.7 mi
 580.1 km / 360.4 mi

246.4 km / 153.1 mi
 100.0 km / 62.1 mi

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Coordination Values		ENGLEWOOD CLIFFS, NJ			
Licensee Name		NBC Telemundo License LLC			
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 Model		Vertex/RSI 9 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				-12.2 (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	103.96	-10.00	285.28	-10.00	136.55
5	0.00	108.92	-10.00	285.28	-10.00	136.55
10	0.00	113.88	-10.00	285.28	-10.00	136.55
15	0.00	118.83	-10.00	285.28	-10.00	136.55
20	0.00	123.78	-10.00	285.28	-10.00	136.55
25	0.00	121.98	-10.00	285.28	-10.00	136.55
30	0.00	118.70	-10.00	285.28	-10.00	136.55
35	0.00	115.29	-10.00	285.28	-10.00	136.55
40	0.00	111.77	-10.00	285.28	-10.00	136.55
45	0.00	108.16	-10.00	285.28	-10.00	136.55
50	0.00	104.49	-10.00	285.28	-10.00	136.55
55	0.00	100.76	-10.00	285.28	-10.00	136.55
60	0.00	97.00	-10.00	285.28	-10.00	136.55
65	0.00	93.21	-10.00	285.28	-10.00	136.55
70	0.00	89.42	-10.00	285.28	-10.00	136.55
75	0.00	85.63	-10.00	285.28	-10.00	136.55
80	0.00	81.85	-10.00	285.28	-10.00	136.55
85	0.00	78.10	-10.00	285.28	-10.00	136.55
90	0.00	74.38	-10.00	285.28	-10.00	136.55
95	0.00	70.73	-10.00	285.28	-10.00	136.55
100	0.00	67.15	-10.00	285.28	-10.00	136.55
105	0.00	63.66	-10.00	285.28	-10.00	136.55
110	0.00	60.28	-10.00	285.28	-10.00	136.55
115	0.00	57.04	-10.00	285.28	-10.00	136.55
120	0.00	53.98	-10.00	285.28	-10.00	136.55
125	0.00	51.12	-10.00	285.28	-10.00	136.55
130	0.00	48.50	-10.00	285.28	-10.00	136.55
135	0.00	46.18	-9.61	287.76	-9.61	137.66
140	0.00	44.20	-9.14	290.83	-9.14	139.06
145	0.00	42.61	-8.74	293.43	-8.74	140.24
150	0.00	41.46	-8.44	295.39	-8.44	141.14
155	0.00	40.78	-8.26	296.58	-8.26	141.69
160	0.00	40.61	-8.21	296.89	-8.21	141.83
165	0.00	40.94	-8.30	296.30	-8.30	141.56
170	0.00	41.76	-8.52	294.88	-8.52	140.91
175	0.00	42.48	-8.71	293.65	-8.71	140.34
180	0.00	42.73	-8.77	293.24	-8.77	140.16
185	0.00	42.48	-8.71	293.65	-8.71	140.34

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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				-12.2 (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	41.76	-8.52	294.88	-8.52	140.91
195	0.00	40.58	-8.21	296.94	-8.21	141.86
200	0.00	38.97	-7.77	299.86	-7.77	143.21
205	0.00	37.00	-7.20	303.69	-7.20	145.00
210	0.00	34.69	-6.51	308.48	-6.51	147.25
215	0.00	32.10	-5.66	314.98	-5.66	150.05
220	0.00	29.28	-4.66	322.07	-4.66	153.48
225	0.00	26.25	-3.48	330.63	-3.48	157.71
230	0.00	23.06	-2.07	340.99	-2.07	162.95
235	0.00	19.72	-0.37	353.74	-0.37	171.15
240	0.00	16.28	1.71	369.86	1.71	179.23
245	0.00	12.75	4.36	390.43	4.36	189.46
250	0.00	9.20	7.91	420.37	7.91	203.03
255	0.00	7.10	10.71	541.92	10.71	246.37
260	0.00	8.13	9.25	432.23	9.25	206.52
265	0.00	11.46	5.52	399.97	5.52	193.89
270	0.00	15.70	2.10	372.95	2.10	180.75
275	0.00	20.28	-0.68	351.44	-0.68	169.96
280	0.00	25.02	-2.96	334.44	-2.96	159.62
285	0.00	29.84	-4.87	320.61	-4.87	152.77
290	0.00	34.70	-6.51	308.46	-6.51	147.24
295	0.00	39.60	-7.94	298.71	-7.94	142.68
300	0.00	44.51	-9.21	290.34	-9.21	138.83
305	0.00	49.44	-10.00	285.28	-10.00	136.55
310	0.00	54.38	-10.00	285.28	-10.00	136.55
315	0.00	59.33	-10.00	285.28	-10.00	136.55
320	0.00	64.28	-10.00	285.28	-10.00	136.55
325	0.00	69.23	-10.00	285.28	-10.00	136.55
330	0.00	74.19	-10.00	285.28	-10.00	136.55
335	0.00	79.15	-10.00	285.28	-10.00	136.55
340	0.00	84.11	-10.00	285.28	-10.00	136.55
345	0.00	89.08	-10.00	285.28	-10.00	136.55
350	0.00	94.04	-10.00	285.28	-10.00	136.55
355	0.00	99.00	-10.00	285.28	-10.00	136.55