



COMSEARCH®  
19700 Janelia Farm Boulevard  
Ashburn, Virginia 20147  
(703)-726-5500 Fax: (703)-726-5600  
<http://www.comsearch.com>

October 14, 2020

Re: UNIVISION COMMUNICATIONS, INC.  
MIAMI, FL  
Temporary Transmit-Receive Earth Station  
Operation Dates: 01/21/2021 - 05/30/2021  
Job Number: 201014COMSTC03

Dear Frequency Coordinator:

On behalf of UNIVISION COMMUNICATIONS, INC., we are forwarding the attached coordination data for a Temporary Transmit-Receive Earth Station to be located at the site referenced above.

This earth station will transmit only on the satellite(s) and frequency or frequencies as described in the attached data. Please do not report cases involving 4 GHz facilities or problems involving non-active paths or frequencies outside the specified range.

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

Sincerely,

Timothy O. Crutcher  
Senior Frequency Coordinator  
Microwave and Satellite Services

Enclosure



COMSEARCH®

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June 10, 2014

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

Re: Minnesota Public Radio  
ST PAUL, MN  
C-Band Transmit-Receive Earth Station  
Job Number: 140610COMSTC03

\*\*\*\* Expedited Response Requested by June 24, 2014 \*\*\*\*

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 Minnesota Public Radio, 45 East 7th Street St Paul, MN 55101 for a C-Band Transmit-Receive Earth Station to be located in ST PAUL, MN.

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 June 24, 2014.

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

Sincerely,

COMSEARCH

Timothy O. Crutcher  
Frequency Planner

Enclosure(s)

# COMSEARCH

## Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147  
(703)726-5665 <http://www.comsearch.com>

Date: 10/14/2020  
Job Number: 201014COMSTC03

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### Administrative Information

Status: TEMPORARY (Operation from 01/21/2021 to 05/30/2021)  
Licensee Name: UNIVISION COMMUNICATIONS, INC.

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### Site Information

#### MIAMI, FL

Venue Name  
Latitude (NAD 83): 25° 48' 43.4" N  
Longitude (NAD 83): 80° 21' 3.2" W  
Climate Zone: B  
Rain Zone: 1  
Ground Elevation (AMSL): 1.23 m / 4.0 ft

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### Link Information

Satellite Type: Geostationary  
Mode: TR - Transmit-Receive  
Modulation: Digital  
Satellite Arc: 103° W to 103° West Longitude  
Azimuth Range: 223.8° to 223.8°  
Corresponding Elevation Angles: 50.7° / 50.7°  
Antenna Centerline (AGL): 3.66 m / 12.0 ft

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### Antenna Information

#### Receive

#### Transmit

Manufacturer	ASC	ASC
Gain / Diameter	43.9 dBi / 4.5 m	45.0 dBi / 4.5 m
3-dB / 15-dB Beamwidth	1.20° / 2.40°	0.96° / 1.90°

Max Available RF Power	(dBW/4 kHz)	-12.6
	(dBW/MHz)	11.4

Maximum EIRP	(dBW/4 kHz)	32.4
	(dBW/MHz)	56.4

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%

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### Frequency Information

#### Receive 4.0 GHz

#### Transmit 6.1 GHz

Emission / Frequency Range (MHz)	36M0G7W / 3760.0	36M0G7W / 5985.0
Max Great Circle Coordination Distance	412.2 km / 256.1 mi	151.6 km / 94.2 mi
Precipitation Scatter Contour Radius	100.0 km / 62.1 mi	100.0 km / 62.1 mi

**Coordination Values****MIAMI, FL**

Licensee Name UNIVISION COMMUNICATIONS, INC.  
 Latitude (NAD 83) 25° 48' 43.4" N  
 Longitude (NAD 83) 80° 21' 3.2" W  
 Ground Elevation (AMSL) 1.23 m / 4.0 ft  
 Antenna Centerline (AGL) 3.66 m / 12.0 ft  
 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 -12.6 (dBW/4 kHz)

Azimuth (°) (km)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance
0	0.00	117.22	-10.00	412.20	-10.00	151.57
5	0.00	119.60	-10.00	412.20	-10.00	151.57
10	0.00	121.78	-10.00	412.20	-10.00	151.57
15	0.00	123.73	-10.00	412.20	-10.00	151.57
20	0.00	125.44	-10.00	412.20	-10.00	151.57
25	0.00	126.86	-10.00	412.20	-10.00	151.57
30	0.00	127.98	-10.00	412.20	-10.00	151.57
35	0.00	128.77	-10.00	412.20	-10.00	151.57
40	0.00	129.21	-10.00	412.20	-10.00	151.57
45	0.00	129.31	-10.00	412.20	-10.00	151.57
50	0.00	129.04	-10.00	412.20	-10.00	151.57
55	0.00	128.42	-10.00	412.20	-10.00	151.57
60	0.00	127.47	-10.00	412.20	-10.00	151.57
65	0.00	126.20	-10.00	412.20	-10.00	151.57
70	0.00	124.64	-10.00	412.20	-10.00	151.57
75	0.00	122.81	-10.00	412.20	-10.00	151.57
80	0.00	120.74	-10.00	412.20	-10.00	151.57
85	0.00	118.46	-10.00	412.20	-10.00	151.57
90	0.00	116.00	-10.00	412.20	-10.00	151.57
95	0.00	113.38	-10.00	412.20	-10.00	151.57
100	0.00	110.63	-10.00	412.20	-10.00	151.57
105	0.00	107.76	-10.00	412.20	-10.00	151.57
110	0.00	104.80	-10.00	412.20	-10.00	151.57
115	0.00	101.77	-10.00	412.20	-10.00	151.57
120	0.00	98.68	-10.00	412.20	-10.00	151.57
125	0.00	95.55	-10.00	412.20	-10.00	151.57
130	0.00	92.39	-10.00	412.20	-10.00	151.57
135	0.00	89.23	-10.00	412.20	-10.00	151.57
140	0.00	86.06	-10.00	412.20	-10.00	151.57
145	0.00	82.92	-10.00	412.20	-10.00	151.57
150	0.00	79.80	-10.00	412.20	-10.00	151.57
155	0.00	76.74	-10.00	412.20	-10.00	151.57
160	0.00	73.74	-10.00	412.20	-10.00	151.57
165	0.00	70.83	-10.00	412.20	-10.00	151.57
170	0.00	68.01	-10.00	412.20	-10.00	151.57
175	0.00	65.32	-10.00	412.20	-10.00	151.57
180	0.00	62.78	-10.00	412.20	-10.00	151.57
185	0.00	60.40	-10.00	412.20	-10.00	151.57

**Coordination Values****MIAMI, FL**

Licensee Name UNIVISION COMMUNICATIONS, INC.

Latitude (NAD 83) 25° 48' 43.4" N

Longitude (NAD 83) 80° 21' 3.2" W

Ground Elevation (AMSL) 1.23 m / 4.0 ft

Antenna Centerline (AGL) 3.66 m / 12.0 ft

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

-12.6 (dBW/4 kHz)

Azimuth (°) (km)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance
190	0.00	58.22	-10.00	412.20	-10.00	151.57
195	0.00	56.27	-10.00	412.20	-10.00	151.57
200	0.00	54.56	-10.00	412.20	-10.00	151.57
205	0.00	53.14	-10.00	412.20	-10.00	151.57
210	0.00	52.02	-10.00	412.20	-10.00	151.57
215	0.00	51.23	-10.00	412.20	-10.00	151.57
220	0.00	50.79	-10.00	412.20	-10.00	151.57
225	0.00	50.69	-10.00	412.20	-10.00	151.57
230	0.00	50.96	-10.00	412.20	-10.00	151.57
235	0.00	51.58	-10.00	412.20	-10.00	151.57
240	0.00	52.53	-10.00	412.20	-10.00	151.57
245	0.00	53.80	-10.00	412.20	-10.00	151.57
250	0.00	55.36	-10.00	412.20	-10.00	151.57
255	0.00	57.19	-10.00	412.20	-10.00	151.57
260	0.00	59.26	-10.00	412.20	-10.00	151.57
265	0.00	61.54	-10.00	412.20	-10.00	151.57
270	0.00	64.00	-10.00	412.20	-10.00	151.57
275	0.00	66.62	-10.00	412.20	-10.00	151.57
280	0.00	69.37	-10.00	412.20	-10.00	151.57
285	0.00	72.24	-10.00	412.20	-10.00	151.57
290	0.00	75.20	-10.00	412.20	-10.00	151.57
295	0.00	78.23	-10.00	412.20	-10.00	151.57
300	0.00	81.32	-10.00	412.20	-10.00	151.57
305	0.00	84.45	-10.00	412.20	-10.00	151.57
310	0.00	87.61	-10.00	412.20	-10.00	151.57
315	0.00	90.77	-10.00	412.20	-10.00	151.57
320	0.00	93.94	-10.00	412.20	-10.00	151.57
325	0.00	97.08	-10.00	412.20	-10.00	151.57
330	0.00	100.20	-10.00	412.20	-10.00	151.57
335	0.00	103.26	-10.00	412.20	-10.00	151.57
340	0.00	106.26	-10.00	412.20	-10.00	151.57
345	0.00	109.17	-10.00	412.20	-10.00	151.57
350	0.00	111.99	-10.00	412.20	-10.00	151.57
355	0.00	114.68	-10.00	412.20	-10.00	151.57