



COMSEARCH

An Andrew Company

19700 Janelia Farm Blvd.

Ashburn, Va 20147

(703)-726-5500 Fax: (703)-726-5600

<http://www.comsearch.com>

July 12, 2013

Darryl Richard
Holland & Knight
800 17th Street, NW Suite 1100
Washington DC 20006

REF: Prior Coordination Notice

Televisa, SA de CV
BALTIMORE, MD - M T BANK STADIUM
Temporary Transmit-Only Earth Station
Operation Dates: 07/15/2013 - 01/15/2014
Job Number: 130712COMSTC03

Dear Darryl,

Enclosed please find the Prior Coordination Notice for the temporary transmit-only earth station site referenced above.

If you have any questions, please call me at (703) 726-2665.

Sincerely,

Timothy O. Crutcher
Principal Frequency Coordinator
Microwave and Satellite Services

Enclosure

copy sent to: Mr. Charles Magin, EIC
FCC - Columbia, MD



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July 12, 2013

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

RE: Televisa, SA de CV
BALTIMORE, MD - M T BANK STADIUM
Temporary Transmit-Only Earth Station
Operation Dates: 07/15/2013 - 01/15/2014
Job Number: 130712COMSTC03

Re:

Dear Frequency Coordinator:

On behalf of MOBILE SATELLITE CONNECTION LLC, we are forwarding the attached coordination data for a Temporary Transmit-Only 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,

COMSEARCH

Timothy O. Crutcher
Principal Frequency Coordinator

Enclosure(s)

COMSEARCH

Earth Station Data Sheet

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

Date: 07/12/2013
Job Number: 130712COMSTC03

Administrative Information

Status TEMPORARY (Operation from 07/15/2013 to 01/15/2014)
Licensee Name Televisa, SA de CV

Site Information

BALTIMORE, MD

Venue Name M T BANK STADIUM
Latitude (NAD 83) 39° 16' 35.0" N
Longitude (NAD 83) 76° 37' 21.0" W
Climate Zone B
Rain Zone 2
Ground Elevation (AMSL) 5.89 m / 19.3 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Digital
Satellite Arc 72° W to 139° West Longitude
Azimuth Range 172.7° to 251.7°
Corresponding Elevation Angles 44.3° / 12.5°
Antenna Centerline (AGL) 3.66 m / 12.0 ft

Antenna Information

Transmit

Manufacturer Vertex
Gain / Diameter 42.0 dBi / 2.4 m
3-dB / 15-dB Beamwidth 1.00° / 2.00°

Max Available RF Power (dBW/4 kHz) -14.0
(dBW/MHz) 10.0

Maximum EIRP (dBW/4 kHz) 28.0
(dBW/MHz) 52.0

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) 36M0G7W / 5985.0 - 6045.0
36M0G7W / 6245.0 - 6305.0

Max Great Circle Coordination Distance 162.1 km / 100.7 mi
Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

Coordination Values	BALTIMORE, MD		
Licensee Name	Televisa, SA de CV		
Latitude (NAD 83)	39° 16' 35.0" N		
Longitude (NAD 83)	76° 37' 21.0" W		
Ground Elevation (AMSL)	5.89 m / 19.3 ft		
Antenna Centerline (AGL)	3.66 m / 12.0 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	-14.0 (dBW/4 kHz)		

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.68	107.93	-10.00	108.40
5	0.68	112.80	-10.00	108.65
10	0.68	117.67	-10.00	108.51
15	0.63	122.52	-10.00	111.05
20	0.56	127.35	-10.00	114.40
25	0.51	127.63	-10.00	116.54
30	0.55	125.10	-10.00	114.91
35	0.45	122.26	-10.00	119.35
40	0.38	119.26	-10.00	126.37
45	0.43	116.18	-10.00	121.45
50	0.41	112.94	-10.00	122.79
55	0.39	109.59	-10.00	124.56
60	0.45	106.18	-10.00	119.76
65	0.43	102.68	-10.00	121.37
70	0.24	99.11	-10.00	141.10
75	0.32	95.55	-10.00	131.73
80	0.26	91.96	-10.00	139.28
85	0.34	88.36	-10.00	129.96
90	0.43	84.76	-10.00	121.16
95	0.40	81.19	-10.00	124.06
100	0.48	77.62	-10.00	117.00
105	0.52	74.11	-10.00	116.42
110	0.58	70.65	-10.00	113.24
115	0.65	67.26	-10.00	110.01
120	0.57	64.04	-10.00	114.00
125	0.41	60.99	-10.00	122.81
130	0.23	58.13	-10.00	142.61
135	0.00	55.51	-10.00	146.06
140	0.00	52.97	-10.00	146.06
145	0.00	50.67	-10.00	146.06
150	0.00	48.67	-10.00	146.06
155	0.30	46.73	-9.74	135.02
160	0.31	45.41	-9.43	134.68
165	0.32	44.50	-9.21	134.63
170	0.32	44.03	-9.09	135.55
175	0.33	44.00	-9.09	134.02
180	0.31	44.23	-9.14	135.96
185	0.48	43.81	-9.04	119.94

Coordination Values	BALTIMORE, MD		
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Interference Objectives: Long Term	-154.0 dBW/4 kHz	20%	
Short Term	-131.0 dBW/4 kHz	0.0025%	
Max Available RF Power	-14.0 (dBW/4 kHz)		

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.56	42.97	-8.83	117.37
195	0.56	41.75	-8.52	116.30
200	0.40	40.23	-8.11	130.04
205	0.48	38.10	-7.52	123.88
210	0.45	35.73	-6.82	128.75
215	0.60	32.93	-5.94	121.31
220	0.64	29.98	-4.92	121.87
225	0.50	26.96	-3.77	134.06
230	0.53	23.65	-2.34	137.47
235	0.50	20.24	-0.65	146.15
240	0.61	16.63	1.48	146.60
245	0.62	13.64	3.63	154.58
250	0.64	12.02	5.00	159.00
255	0.58	12.41	4.66	162.06
260	0.55	14.56	2.92	156.61
265	0.72	17.75	0.77	136.25
270	0.82	21.65	-1.39	122.65
275	0.76	25.99	-3.37	120.38
280	0.86	30.46	-5.09	112.61
285	0.94	35.07	-6.62	104.57
290	0.97	39.78	-7.99	100.04
295	0.96	44.55	-9.22	100.00
300	1.05	49.35	-10.00	100.00
305	1.00	54.19	-10.00	100.00
310	0.97	59.05	-10.00	100.00
315	0.95	63.92	-10.00	100.00
320	0.89	68.80	-10.00	100.00
325	0.93	73.68	-10.00	100.00
330	0.97	78.57	-10.00	100.00
335	0.93	83.47	-10.00	100.00
340	0.83	88.37	-10.00	101.15
345	0.79	93.26	-10.00	103.43
350	0.77	98.15	-10.00	103.97
355	0.73	103.04	-10.00	106.05