



COMSEARCH
An Andrew Company

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August 07, 2018

Re: Haras Development
KILEVILLE, OH
Temporary Transmit-Only Earth Station
Operation Dates: 10/01/2018 - 04/01/2019
Job Number: 180807COMSGE06

Dear Frequency Coordinator:

On behalf of Haras Development, 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 non-active paths or frequencies outside the specified range.

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: 08/07/2018
Job Number: 180807COMSGE06

Administrative Information

Status TEMPORARY (Operation from 10/01/2018 to 04/01/2019)
Call Sign TEMP04
Licensee Code HARASD
Licensee Name Haras Development

Site Information

KILEVILLE, OH
Venue Name
Latitude (NAD 83) 40° 6' 15.4" N
Longitude (NAD 83) 83° 11' 58.4" W
Climate Zone A
Rain Zone 2
Ground Elevation (AMSL) 287.91 m / 944.6 ft

Link Information

Satellite Type Low Earth Orbit
Mode TO - Transmit-Only
Modulation Digital
Minimum Elevation Angle 5.0°
Azimuth Range 0.0° to 360°
Antenna Centerline (AGL) 3.66 m / 12.0 ft

Antenna Information

Transmit - FCC32
Manufacturer ViaSat
Model 5.4 meter
Gain / Diameter 39.2 dBi / 5.4 m
3-dB / 15-dB Beamwidth 1.37° / 3.70°

Max Available RF Power (dBW/4 kHz) -3.0
(dBW/MHz) 21.0

Maximum EIRP (dBW/4 kHz) 36.2
(dBW/MHz) 60.2

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

Frequency Information

Transmit 2.0 GHz
Emission / Frequency Range (MHz) NON - 1M32G1D / 2025.0 - 2110.0

Max Great Circle Coordination Distance 312.0 km / 193.8 mi
Precipitation Scatter Contour Radius 101.0 km / 62.7 mi

Coordination Values		KILEVILLE, OH	
Licensee Name		Haras Development	
Latitude (NAD 83)		40° 6' 15.4" N	
Longitude (NAD 83)		83° 11' 58.4" W	
Ground Elevation (AMSL)		287.91 m / 944.6 ft	
Antenna Centerline (AGL)		3.66 m / 12.0 ft	
Antenna Model		ViaSat 5.4 meter	
Antenna Mode		Transmit 2.0 GHz	
Interference Objectives: Long Term		-154.0 dBW/4 kHz	20%
	Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power	-3.0 (dBW/4 kHz)		

Transmit 2.0 GHz				
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	94.39	10.00	312.00
5	0.00	89.40	10.00	312.00
10	0.00	84.41	10.00	312.00
15	0.00	79.42	10.00	312.00
20	0.00	74.42	10.00	312.00
25	0.00	69.44	10.00	312.00
30	0.00	64.45	10.00	312.00
35	0.00	59.46	10.00	312.00
40	0.00	54.47	10.00	312.00
45	0.00	49.49	10.00	312.00
50	0.00	44.50	10.00	312.00
55	0.00	39.52	10.00	312.00
60	0.00	34.55	10.00	312.00
65	0.00	29.58	10.00	312.00
70	0.00	24.63	10.00	312.00
75	0.00	19.69	10.00	312.00
80	0.00	14.80	10.00	312.00
85	0.00	10.02	10.00	312.00
90	0.00	5.61	10.00	312.00
95	0.00	3.54	10.00	312.00
100	0.00	6.60	10.00	312.00
105	0.00	11.16	10.00	312.00
110	0.00	15.98	10.00	312.00
115	0.00	20.89	10.00	312.00
120	0.00	25.83	10.00	312.00
125	0.00	30.78	10.00	312.00
130	0.00	35.75	10.00	312.00
135	0.00	40.73	10.00	312.00
140	0.00	45.71	10.00	312.00
145	0.00	50.69	10.00	312.00
150	0.00	55.68	10.00	312.00
155	0.00	60.66	10.00	312.00
160	0.00	65.65	10.00	312.00
165	0.00	70.64	10.00	312.00
170	0.00	75.63	10.00	312.00
175	0.00	80.62	10.00	312.00
180	0.00	85.61	10.00	312.00
185	0.00	90.60	10.00	312.00

Coordination Values**KILEVILLE, OH**

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Ground Elevation (AMSL) 287.91 m / 944.6 ft
Antenna Centerline (AGL) 3.66 m / 12.0 ft
Antenna Model ViaSat 5.4 meter
Antenna Mode Transmit 2.0 GHz
Interference Objectives: Long Term -154.0 dBW/4 kHz 20%
Short Term -131.0 dBW/4 kHz 0.0025%
Max Available RF Power -3.0 (dBW/4 kHz)

Transmit 2.0 GHz				
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	95.59	10.00	312.00
195	0.00	100.58	10.00	312.00
200	0.00	105.58	10.00	312.00
205	0.00	110.56	10.00	312.00
210	0.00	115.55	10.00	312.00
215	0.00	120.54	10.00	312.00
220	0.00	125.53	10.00	312.00
225	0.00	130.51	10.00	312.00
230	0.00	135.50	10.00	312.00
235	0.00	140.48	10.00	312.00
240	0.00	145.45	10.00	312.00
245	0.00	150.42	10.00	312.00
250	0.00	155.37	10.00	312.00
255	0.00	160.31	10.00	312.00
260	0.00	165.20	10.00	312.00
265	0.00	169.98	10.00	312.00
270	0.00	174.39	10.00	312.00
275	0.00	176.46	10.00	312.00
280	0.00	173.40	10.00	312.00
285	0.00	168.84	10.00	312.00
290	0.00	164.02	10.00	312.00
295	0.00	159.12	10.00	312.00
300	0.00	154.17	10.00	312.00
305	0.00	149.22	10.00	312.00
310	0.00	144.25	10.00	312.00
315	0.00	139.27	10.00	312.00
320	0.00	134.29	10.00	312.00
325	0.00	129.31	10.00	312.00
330	0.00	124.32	10.00	312.00
335	0.00	119.34	10.00	312.00
340	0.00	114.35	10.00	312.00
345	0.00	109.36	10.00	312.00
350	0.00	104.37	10.00	312.00
355	0.00	99.38	10.00	312.00