



COMSEARCH[®]

A CommScope Company

May 20, 2021

Re: ENVISTACOM
FREDERICK, MD
Temporary Transmit-Only Earth Station
Operation Dates: 08/30/2021 - 02/28/2022
Job Number: 210520COMSGE01

Dear Frequency Coordinator:

On behalf of ENVISTACOM, 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

Gary K. Edwards
Senior Manager
gedwards@comsearch.com

Enclosure(s)

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5662 <http://www.comsearch.com>

Date: 05/20/2021
Job Number: 210520COMSGE01

Administrative Information

Status: TEMPORARY (Operation from 08/30/2021 to 02/28/2022)
Call Sign: TEMP02
Licensee Code: ENVIST
Licensee Name: ENVISTACOM

Site Information

FREDERICK, MD

Venue Name
Latitude (NAD 83): 39° 22' 49.0" N
Longitude (NAD 83): 77° 25' 3.0" W
Climate Zone: A
Rain Zone: 2
Ground Elevation (AMSL): 96.99 m / 318.2 ft

Link Information

Satellite Type: Geostationary
Mode: TO - Transmit-Only
Modulation: Digital
Satellite Arc: 89° W to 89° West Longitude
Azimuth Range: 197.9° to 197.9°
Corresponding Elevation Angles: 42.9° / 42.9°
Antenna Centerline (AGL): 3.66 m / 12.0 ft

Antenna Information

Transmit - FCC32

Manufacturer: GD Satcom
Model: 2.4 meter
Gain / Diameter: 42.2 dBi / 2.4 m
3-dB / 15-dB Beamwidth: 1.00° / 2.00°

Max Available RF Power (dBW/4 kHz): -29.0
(dBW/MHz): -5.0

Maximum EIRP (dBW/4 kHz): 13.2
(dBW/MHz): 37.2

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): 12M0G7W / 6189.1 - 6201.1

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

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Coordination Values	FREDERICK, MD	
Licensee Name	ENVISTACOM	
Latitude (NAD 83)	39° 22' 49.0" N	
Longitude (NAD 83)	77° 25' 3.0" W	
Ground Elevation (AMSL)	96.99 m / 318.2 ft	
Antenna Centerline (AGL)	3.66 m / 12.0 ft	
Antenna Model	GD Satcom 2.4 meter	
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	-29.0 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	134.23	-10.00	100.00
5	0.00	135.61	-10.00	100.00
10	0.00	136.56	-10.00	100.00
15	0.00	137.07	-10.00	100.00
20	0.00	137.10	-10.00	100.00
25	0.00	136.67	-10.00	100.00
30	0.00	135.79	-10.00	100.00
35	0.00	134.48	-10.00	100.00
40	0.00	132.78	-10.00	100.00
45	0.00	130.74	-10.00	100.00
50	0.00	128.39	-10.00	100.00
55	0.21	125.92	-10.00	100.00
60	0.00	122.95	-10.00	100.00
65	0.22	120.05	-10.00	100.00
70	0.29	116.90	-10.00	100.00
75	0.32	113.60	-10.00	100.00
80	0.45	110.21	-10.00	100.00
85	0.53	106.72	-10.00	100.00
90	0.70	103.17	-10.00	100.00
95	0.52	99.50	-10.00	100.00
100	0.54	95.83	-10.00	100.00
105	0.69	92.15	-10.00	100.00
110	0.46	88.45	-10.00	100.00
115	0.33	84.77	-10.00	100.00
120	0.47	81.09	-10.00	100.00
125	0.46	77.46	-10.00	100.00
130	0.44	73.87	-10.00	100.00
135	0.57	70.30	-10.00	100.00
140	0.58	66.85	-10.00	100.00
145	0.61	63.48	-10.00	100.00
150	0.45	60.32	-10.00	100.00
155	0.58	57.18	-10.00	100.00
160	0.62	54.25	-10.00	100.00
165	0.63	51.55	-10.00	100.00
170	0.48	49.24	-10.00	100.00
175	0.45	47.14	-9.83	100.00
180	0.32	45.47	-9.44	100.00
185	0.00	44.39	-9.18	100.00

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Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power	-29.0 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	43.44	-8.95	100.00
195	0.00	42.93	-8.82	100.00
200	0.00	42.90	-8.81	100.00
205	0.00	43.33	-8.92	100.00
210	0.00	44.21	-9.14	100.00
215	0.00	45.52	-9.45	100.00
220	0.00	47.22	-9.85	100.00
225	0.00	49.26	-10.00	100.00
230	0.00	51.61	-10.00	100.00
235	0.23	54.07	-10.00	100.00
240	0.30	56.87	-10.00	100.00
245	0.37	59.87	-10.00	100.00
250	0.44	63.03	-10.00	100.00
255	0.50	66.33	-10.00	100.00
260	0.64	69.72	-10.00	100.00
265	0.72	73.23	-10.00	100.00
270	0.94	76.78	-10.00	100.00
275	1.12	80.41	-10.00	100.00
280	1.22	84.10	-10.00	100.00
285	1.00	87.84	-10.00	100.00
290	0.90	91.56	-10.00	100.00
295	1.03	95.29	-10.00	100.00
300	0.82	98.96	-10.00	100.00
305	0.74	102.60	-10.00	100.00
310	0.73	106.20	-10.00	100.00
315	0.63	109.72	-10.00	100.00
320	0.53	113.14	-10.00	100.00
325	0.48	116.46	-10.00	100.00
330	0.45	119.67	-10.00	100.00
335	0.00	122.48	-10.00	100.00
340	0.00	125.34	-10.00	100.00
345	0.00	127.99	-10.00	100.00
350	0.00	130.38	-10.00	100.00
355	0.00	132.48	-10.00	100.00