



May 10, 2023

Re: Intelsat License LLC
ANDOVER C39, ME
Temporary Transmit-Only Earth Station
Operation Dates: 06/14/2023 - 12/14/2023
Job Number: 230510COMSGE04

Dear Frequency Coordinator:

On behalf of Intelsat License 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

Gary K. Edwards
Senior Manager
gedwards@comsearch.com

Enclosure(s)

Date: 05/10/2023
Job Number: 230510COMSGE04

Administrative Information

Status ENGINEER PROPOSAL
Call Sign TEMP12
Licensee Code INTELS
Licensee Name Intelsat License LLC

Site Information**ANDOVER , ME**

Venue Name
Latitude (NAD 83) 44° 37' 56.3" N
Longitude (NAD 83) 70° 41' 58.9" W
Climate Zone A
Rain Zone 2
Ground Elevation (AMSL) 269.46 m / 884.1 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Digital
Satellite Arc 1° W to 141° West Longitude
Azimuth Range 104.6° to 255.9°
Corresponding Elevation Angles 5.6° / 5.2°
Antenna Centerline (AGL) 5.49 m / 18.0 ft

Antenna Information**Transmit - FCC32**

Manufacturer CPI Sat
Model 13.2FMA
Gain / Diameter 56.3 dBi / 13.2 m
3-dB / 15-dB Beamwidth 0.26° / 0.52°

Max Available RF Power (dBW/4 kHz) 6.7
(dBW/MHz) 30.7

Maximum EIRP (dBW/4 kHz) 63.0
(dBW/MHz) 87.0

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) 200KG2D / 6419.0
200KG2D / 6421.0
200KG2D / 5850.0 - 6450.0

Max Great Circle Coordination Distance 495.3 km / 307.7 mi
Precipitation Scatter Contour Radius 412.8 km / 256.5 mi

Coordination Values	ANDOVER C39, ME	
Licensee Name	Intelsat License LLC	
Latitude (NAD 83)	44° 37' 56.3" N	
Longitude (NAD 83)	70° 41' 58.9" W	
Ground Elevation (AMSL)	269.46 m / 884.1 ft	
Antenna Centerline (AGL)	5.49 m / 18.0 ft	
Antenna Model	CPI 13.2 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	6.7 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.43	104.07	-10.00	184.16
5	1.07	99.54	-10.00	145.99
10	0.51	94.55	-10.00	177.15
15	0.59	89.57	-10.00	172.68
20	0.97	84.59	-10.00	149.46
25	0.95	79.61	-10.00	150.51
30	1.46	74.61	-10.00	135.33
35	2.09	69.61	-10.00	121.56
40	2.97	64.60	-10.00	104.78
45	2.52	59.62	-10.00	113.25
50	2.50	54.63	-10.00	113.55
55	2.93	49.62	-10.00	105.37
60	3.25	44.62	-9.24	102.33
65	2.93	39.65	-7.96	113.07
70	2.55	34.69	-6.51	125.82
75	2.11	29.76	-4.84	139.51
80	2.78	24.73	-2.83	133.92
85	3.09	19.73	-0.38	137.48
90	3.05	14.79	2.75	152.05
95	1.97	10.24	6.74	198.84
100	2.42	5.59	13.32	219.49
105	3.08	2.60	21.64	470.38
110	2.33	6.12	12.33	263.82
115	2.80	9.12	8.00	185.98
120	1.79	13.15	4.03	190.99
125	1.80	16.31	1.69	179.08
130	2.48	18.84	0.12	152.34
135	3.13	21.21	-1.16	133.67
140	2.59	24.37	-2.67	138.12
145	1.24	28.03	-4.19	168.21
150	2.16	29.54	-4.76	138.79
155	3.01	30.78	-5.21	122.21
160	2.71	32.74	-5.88	125.20
165	2.03	34.74	-6.52	134.47
170	1.28	36.47	-7.05	152.13
175	2.07	36.31	-7.00	133.14
180	2.50	36.08	-6.93	125.06
185	2.01	36.36	-7.02	134.17

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Max Available RF Power	6.7 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	1.13	36.62	-7.09	156.70
195	0.49	36.21	-6.97	191.29
200	0.00	35.26	-6.68	218.52
205	0.69	32.88	-5.92	185.08
210	0.72	30.80	-5.21	186.77
215	0.79	28.41	-4.34	186.60
220	0.88	25.78	-3.28	186.76
225	1.55	22.48	-1.80	169.73
230	3.02	18.42	0.37	142.08
235	2.35	15.89	1.97	164.31
240	1.64	13.26	3.93	194.77
245	2.12	9.62	7.42	198.53
250	2.49	6.02	12.52	252.36
255	2.69	2.67	21.33	495.27
260	2.14	5.14	14.22	231.24
265	1.12	9.99	7.01	222.57
270	0.39	14.91	2.66	243.07
275	0.00	19.80	-0.41	247.32
280	0.00	24.65	-2.79	235.83
285	0.00	29.55	-4.76	226.84
290	0.00	34.47	-6.44	219.56
295	0.00	39.41	-7.89	213.51
300	0.00	44.37	-9.18	208.37
305	0.00	49.33	-10.00	205.18
310	0.50	54.26	-10.00	177.95
315	0.00	59.26	-10.00	205.18
320	0.00	64.24	-10.00	205.18
325	0.53	69.20	-10.00	176.03
330	0.25	74.18	-10.00	201.65
335	0.44	79.16	-10.00	183.95
340	0.48	84.14	-10.00	180.02
345	1.06	89.12	-10.00	146.19
350	1.58	94.11	-10.00	133.57
355	0.79	99.09	-10.00	159.38