



COMSEARCH[®]

A CommScope Company

September 11, 2017

Re: Intelsat License LLC
FILLMORE, CA
Temporary Transmit-Only Earth Station
Operation Dates: 09/28/2017 - 10/28/2017
Job Number: 170911COMSGE01

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: 09/11/2017
Job Number: <PCNJobCode>

Administrative Information

Status TEMPORARY (Operation from 09/28/2017 to 10/28/2017)
Call Sign <PCNCallSign>
Licensee Code INTELS
Licensee Name Intelsat License LLC

Site Information **FILLMORE, CA**

Venue Name
Latitude (NAD 83) 34° 24' 22.0" N
Longitude (NAD 83) 118° 53' 37.4" W
Climate Zone A
Rain Zone 4
Ground Elevation (AMSL) 313.94 m / 1030.0 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Digital
Satellite Arc 45.6° W to 190° West Longitude
Azimuth Range 99.6° to 259.1°
Corresponding Elevation Angles 5.1° / 6.9°
Antenna Centerline (AGL) 8.23 m / 27.0 ft

Antenna Information **Transmit - FCC32**

Manufacturer Scientific-Atlanta
Model 3311
Gain / Diameter 53.8 dBi / 10.0 m
3-dB / 15-dB Beamwidth 0.40° / 0.60°

Max Available RF Power (dBW/4 kHz) 10.7
(dBW/MHz) 34.7

Maximum EIRP (dBW/4 kHz) 64.5
(dBW/MHz) 88.5

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

Frequency Information **Transmit 6.7 GHz**

Emission / Frequency Range (MHz) 1M00FXD / 6430.0
1M00FXD / 6432.0

Max Great Circle Coordination Distance 529.5 km / 329.0 mi
Precipitation Scatter Contour Radius 392.4 km / 243.8 mi

Coordination Values		FILLMORE, CA	
Licensee Name		Intelsat License LLC	
Latitude (NAD 83)		34° 24' 22.0" N	
Longitude (NAD 83)		118° 53' 37.4" W	
Ground Elevation (AMSL)		313.94 m / 1030.0 ft	
Antenna Centerline (AGL)		8.23 m / 27.0 ft	
Antenna Model		Scientific-Atlanta 10 meter	
Antenna Mode		Transmit 6.7 GHz	
Interference Objectives:	Long Term	-154.0 dBW/4 kHz	20%
	Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power	10.7 (dBW/4 kHz)		

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.7 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	9.41	99.60	-10.00	100.00
5	9.28	94.62	-10.00	100.00
10	10.39	89.63	-10.00	100.00
15	10.81	84.65	-10.00	100.00
20	11.67	79.70	-10.00	100.00
25	12.11	74.75	-10.00	100.00
30	11.51	69.76	-10.00	100.00
35	10.87	64.77	-10.00	100.00
40	11.36	59.83	-10.00	100.00
45	12.04	54.93	-10.00	100.00
50	12.00	49.98	-10.00	100.00
55	11.61	45.01	-9.33	100.00
60	10.79	39.97	-8.04	100.00
65	9.78	34.91	-6.57	100.00
70	9.99	30.00	-4.93	100.00
75	9.18	24.95	-2.93	100.00
80	8.81	19.97	-0.51	100.00
85	8.14	14.94	2.64	104.81
90	7.27	9.88	7.14	132.06
95	5.88	4.70	15.20	193.61
100	6.25	0.44	40.98	529.49
105	6.17	3.67	17.90	205.90
110	4.75	8.51	8.76	171.59
115	2.86	13.60	3.66	182.83
120	2.00	18.02	0.61	187.69
125	1.86	21.93	-1.52	181.15
130	2.45	25.27	-3.06	156.87
135	2.61	28.73	-4.46	146.81
140	2.66	32.11	-5.67	140.85
145	2.81	35.20	-6.66	134.00
150	2.62	38.28	-7.57	134.16
155	3.21	40.44	-8.17	122.35
160	2.93	42.90	-8.81	125.10
165	3.48	44.21	-9.14	114.10
170	3.26	45.71	-9.50	116.59
175	3.12	46.63	-9.72	118.21
180	2.52	47.50	-9.92	128.52
185	2.35	47.40	-9.89	131.99

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Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power	10.7 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.7 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	2.28	46.64	-9.72	133.89
195	0.77	46.65	-9.72	181.33
200	0.45	45.00	-9.33	202.67
205	1.20	42.04	-8.59	167.75
210	0.96	39.53	-7.92	179.46
215	0.92	36.55	-7.07	185.22
220	0.00	33.92	-6.26	238.35
225	0.00	30.45	-5.09	243.99
230	0.00	26.83	-3.72	250.20
235	0.00	23.09	-2.08	258.72
240	0.00	19.24	-0.11	269.64
245	0.00	15.33	2.36	284.22
250	0.00	11.34	5.63	305.12
255	0.00	7.96	9.47	332.04
260	0.00	6.92	10.99	479.10
265	0.00	9.07	8.06	321.90
270	0.00	12.90	4.24	295.98
275	1.11	16.93	1.29	214.47
280	1.29	21.64	-1.38	198.57
285	2.94	26.22	-3.47	144.38
290	4.19	31.05	-5.30	116.60
295	4.00	36.05	-6.92	113.08
300	4.44	41.01	-8.32	101.89
305	3.70	46.03	-9.58	108.42
310	3.09	51.05	-10.00	117.75
315	2.77	56.05	-10.00	123.56
320	3.24	61.01	-10.00	114.92
325	3.81	65.98	-10.00	104.86
330	5.52	70.95	-10.00	100.00
335	7.47	75.95	-10.00	100.00
340	8.31	80.95	-10.00	100.00
345	8.76	85.95	-10.00	100.00
350	9.64	90.95	-10.00	100.00
355	9.46	95.94	-10.00	100.00