



**COMSEARCH**<sup>®</sup>

A CommScope Company

May 03, 2017

Re: Intelsat License LLC  
NUEVO, CA  
Temporary Transmit-Only Earth Station  
Operation Dates: 06/18/2017 - 07/08/2017  
Job Number: 170503COMSGE04

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: 05/03/2017  
Job Number: 170503COMSGE04

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**Administrative Information**

Status ENGINEER PROPOSAL  
Call Sign TEMP07  
Licensee Code INTELS  
Licensee Name Intelsat License LLC

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**Site Information** **NUEVO, CA**

Venue Name  
Latitude (NAD 83) 33° 47' 43.6" N  
Longitude (NAD 83) 117° 5' 20.4" W  
Climate Zone A  
Rain Zone 4  
Ground Elevation (AMSL) 566.62 m / 1859.0 ft

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**Link Information**

Satellite Type Geostationary  
Mode TO - Transmit-Only  
Modulation Analog and Digital  
Satellite Arc 45° W to 170° West Longitude  
Azimuth Range 100.2° to 247.2°  
Corresponding Elevation Angles 6.2° / 22.0°  
Antenna Centerline (AGL) 7.32 m / 24.0 ft

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**Antenna Information** **Transmit - FCC32**

Manufacturer Vertex  
Model 11 KPC  
Gain / Diameter 55.5 dBi / 11.0 m  
3-dB / 15-dB Beamwidth 0.29° / 0.54°

Max Available RF Power (dBW/4 kHz) 10.0  
(dBW/MHz) 34.0

Maximum EIRP (dBW/4 kHz) 65.5  
(dBW/MHz) 89.5

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

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**Frequency Information** **Transmit 6.1 GHz**

Emission / Frequency Range (MHz) 1M00FXD / 6415.0  
1M00FXD / 6421.48  
1M00FXD / 6423.496

Max Great Circle Coordination Distance 507.7 km / 315.4 mi  
Precipitation Scatter Contour Radius 367.5 km / 228.4 mi

Coordination Values		NUEVO, CA	
Licensee Name		Intelsat License LLC	
Latitude (NAD 83)		33° 47' 43.6" N	
Longitude (NAD 83)		117° 5' 20.4" W	
Ground Elevation (AMSL)		566.62 m / 1859.0 ft	
Antenna Centerline (AGL)		7.32 m / 24.0 ft	
Antenna Model		Vertex 11 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	10.0 (dBW/4 kHz)		

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.91	100.15	-10.00	169.07
5	2.23	95.18	-10.00	131.08
10	1.88	90.19	-10.00	137.21
15	2.42	85.20	-10.00	127.53
20	2.49	80.21	-10.00	126.14
25	2.56	75.22	-10.00	124.79
30	3.50	70.22	-10.00	107.49
35	3.34	65.23	-10.00	110.42
40	3.36	60.23	-10.00	110.08
45	3.28	55.24	-10.00	111.48
50	2.88	50.27	-10.00	118.92
55	2.50	45.31	-9.40	128.20
60	2.77	40.31	-8.14	128.01
65	3.44	35.29	-6.69	121.12
70	3.10	30.33	-5.05	133.29
75	3.19	25.36	-3.10	138.01
80	3.76	20.33	-0.70	137.22
85	3.33	15.45	2.28	159.76
90	3.39	10.56	6.41	181.41
95	2.51	6.34	11.94	228.00
100	2.99	3.18	19.45	507.65
105	3.63	5.38	13.72	213.19
110	3.84	9.29	7.80	178.97
115	3.70	13.36	3.86	159.63
120	3.87	17.17	1.13	143.19
125	3.84	21.02	-1.07	134.36
130	4.49	24.32	-2.65	120.03
135	3.88	28.30	-4.29	122.38
140	4.24	31.47	-5.45	112.72
145	4.11	34.76	-6.53	110.43
150	4.48	37.41	-7.32	102.47
155	4.67	39.84	-8.01	100.00
160	4.09	42.53	-8.72	102.52
165	4.55	43.90	-9.06	100.00
170	4.85	44.86	-9.30	100.00
175	5.79	44.68	-9.25	100.00
180	6.19	44.52	-9.21	100.00
185	6.91	43.57	-8.98	100.00

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Antenna Model		Vertex 11 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	10.0 (dBW/4 kHz)		

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	7.27	42.53	-8.72	100.00
195	6.99	41.64	-8.49	100.00
200	6.27	40.64	-8.22	100.00
205	5.71	38.99	-7.77	100.00
210	5.71	36.45	-7.04	100.00
215	6.70	32.84	-5.91	100.00
220	7.49	29.16	-4.62	100.00
225	7.03	26.16	-3.44	100.00
230	5.65	23.57	-2.31	108.26
235	6.10	19.95	-0.50	110.95
240	5.73	17.76	0.76	119.76
245	5.59	16.57	1.52	124.25
250	5.18	17.07	1.20	126.89
255	4.95	18.72	0.19	125.20
260	4.51	21.57	-1.35	124.82
265	4.74	24.62	-2.78	116.19
270	4.38	28.54	-4.39	114.75
275	4.51	32.48	-5.79	107.68
280	4.14	36.88	-7.17	107.63
285	3.19	41.60	-8.48	119.03
290	2.77	46.16	-9.61	122.42
295	1.04	51.16	-10.00	161.27
300	0.82	55.70	-10.00	174.11
305	0.00	60.40	-10.00	218.44
310	0.00	64.94	-10.00	218.44
315	0.00	69.50	-10.00	218.44
320	0.00	74.10	-10.00	218.44
325	0.00	78.71	-10.00	218.44
330	0.00	83.34	-10.00	218.44
335	0.00	87.97	-10.00	218.44
340	0.00	92.60	-10.00	218.44
345	0.00	97.24	-10.00	218.44
350	0.00	101.86	-10.00	218.44
355	0.00	105.10	-10.00	218.44