



February 04, 2022

Re: Intelsat License LLC
PAUMALU, HI
Temporary Transmit-Only Earth Station
Operation Dates: 02/05/2022 - 08/05/2022
Job Number: 220204COMSGE01

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 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: 02/04/2022
Job Number: 220204COMSGE01

Administrative Information

Status ENGINEER PROPOSAL
Call Sign TEMP08
Licensee Code INTELS
Licensee Name Intelsat License LLC

Site Information**PAUMALU, HI**

Venue Name
Latitude (NAD 83) 21° 40' 14.1" N
Longitude (NAD 83) 158° 2' 7.1" W
Climate Zone B
Rain Zone 4
Ground Elevation (AMSL) 132.9 m / 436.0 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Digital
Satellite Arc 83° W to 230° West Longitude
Azimuth Range 95.6° to 263.1°
Corresponding Elevation Angles 5.2° / 8.1°
Antenna Centerline (AGL) 5.49 m / 18.0 ft

Antenna Information**Transmit - FCC32**

Manufacturer Viasat
Model 7.3FPA
Gain / Diameter 40.9 dBi / 7.3 m
3-dB / 15-dB Beamwidth 1.00° / 2.00°

Max Available RF Power	(dBW/4 kHz)	24.1	
	(dBW/MHz)	48.1	
Maximum EIRP	(dBW/4 kHz)	65.0	
	(dBW/MHz)	89.0	
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) 4K00G1D - 40K0G1D / 2037.5

Max Great Circle Coordination Distance 805.8 km / 500.6 mi
Precipitation Scatter Contour Radius 431.2 km / 267.9 mi

Coordination Values		PAUMALU, HI
Licensee Name		Intelsat License LLC
Latitude (NAD 83)		21° 40' 14.1" N
Longitude (NAD 83)		158° 2' 7.1" W
Ground Elevation (AMSL)		132.9 m / 436.0 ft
Antenna Centerline (AGL)		5.49 m / 18.0 ft
Antenna Model		Viasat 7.3 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	24.1 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	95.62	-10.00	429.92
5	0.00	90.64	-10.00	429.92
10	0.00	85.66	-10.00	429.92
15	0.00	80.68	-10.00	429.92
20	0.00	75.70	-10.00	429.92
25	0.00	70.72	-10.00	429.92
30	0.00	65.75	-10.00	429.92
35	0.72	60.74	-10.00	308.26
40	1.88	55.71	-10.00	214.00
45	2.55	50.69	-10.00	188.59
50	2.56	45.70	-9.50	191.22
55	3.11	40.68	-8.24	179.49
60	3.12	35.69	-6.81	187.07
65	3.69	30.67	-5.17	179.19
70	3.24	25.71	-3.25	202.77
75	3.07	20.75	-0.92	224.10
80	3.22	15.76	2.06	239.40
85	3.05	10.86	6.11	280.41
90	3.05	6.04	12.47	338.73
95	3.07	2.25	23.22	584.84
100	2.81	4.98	14.56	378.28
105	3.10	9.45	7.61	290.97
110	2.84	14.14	3.24	266.05
115	3.55	18.42	0.37	214.84
120	3.29	23.05	-2.07	208.51
125	3.15	27.59	-4.02	201.13
130	3.29	31.96	-5.61	188.86
135	3.20	36.34	-7.01	183.56
140	2.99	40.67	-8.23	183.11
145	2.26	45.11	-9.36	201.61
150	2.43	48.95	-10.00	192.94
155	2.22	52.72	-10.00	200.87
160	2.70	55.74	-10.00	183.39
165	2.73	58.45	-10.00	182.41
170	2.51	60.60	-10.00	190.09
175	2.85	61.43	-10.00	178.42
180	2.72	61.89	-10.00	182.66
185	2.54	61.72	-10.00	189.06

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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	24.1 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	2.38	60.71	-10.00	194.92
195	2.27	58.76	-10.00	198.83
200	1.77	56.28	-10.00	219.95
205	1.30	53.20	-10.00	247.43
210	1.07	49.60	-10.00	262.36
215	1.02	45.67	-9.49	270.92
220	0.81	41.62	-8.48	308.75
225	1.00	37.27	-7.28	291.77
230	0.67	33.04	-5.98	356.60
235	0.33	28.73	-4.46	447.52
240	0.00	24.36	-2.67	490.30
245	0.00	19.82	-0.43	533.59
250	0.00	15.41	2.31	598.96
255	0.00	11.47	5.51	709.79
260	0.00	8.69	8.52	792.60
265	0.00	8.32	9.00	805.75
270	0.00	10.61	6.36	733.23
275	0.00	14.33	3.09	643.32
280	0.00	18.66	0.23	547.99
285	0.00	23.24	-2.16	499.31
290	0.00	27.97	-4.17	466.53
295	0.00	32.77	-5.89	444.39
300	0.00	37.62	-7.38	453.87
305	0.00	42.49	-8.71	441.84
310	0.00	47.39	-9.89	430.92
315	0.00	52.31	-10.00	429.92
320	0.00	57.23	-10.00	429.92
325	0.00	62.16	-10.00	429.92
330	0.00	67.10	-10.00	429.92
335	0.00	72.05	-10.00	429.92
340	0.00	76.99	-10.00	429.92
345	0.00	81.94	-10.00	429.92
350	0.00	86.89	-10.00	429.92
355	0.00	91.84	-10.00	429.92