

Exhibit C



19700 Janelia Farm Boulevard
Ashburn, VA 20147
703-726-5500
Fax 703-726-5596

June 2, 2022

Office of the Secretary
Federal Communications Commission
Washington, DC 20554

Re: Call Sign: E210007
Site: Paumalu, HI
C-Band Transmit/Receive Earth Station

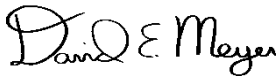
Dear Sir:

This letter is to confirm that the Transmit/Receive Earth Station located in Paumalu, Hawaii, (21° 40' 13.7" N, 158° 2' 3.4" W - NAD83) and with the technical parameters coordinated on August 18, 2020, noted on the attached datasheet and under the ownership of Intelsat License LLC, has been under our continuous monitoring and frequency protection service. We have been monitoring all new frequency coordinations on their behalf and maintaining their participation in the frequency coordination process as specified in part 101 of the FCC Rules and Regulations.

We have been protecting this link on behalf of Intelsat License LLC. The technical parameters listed (including frequencies) have not changed and have been protected continuously as noted since August 18, 2020. There are no outstanding protection case issues or objections from any licensed or applied-for licenses in the shared bands of operation.

If you have any questions, or require additional information, please don't hesitate to call me on (703) 726-5656 or by email at DMeyer@Comsearch.com

Sincerely,
COMSEARCH



David E. Meyer
Senior Manager
Frequency Protection Services

COMSEARCH

Earth Station Data Sheet

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

Date: 05/27/2022
Job Number:

Administrative Information

Status	ENGINEER PROPOSAL
Call Sign	E210007
Licensee Code	INTELS
Licensee Name	Intelsat License LLC

Site Information

PAUMALU, HI

Venue Name	
Latitude (NAD 83)	21° 40' 13.7" N
Longitude (NAD 83)	158° 2' 3.4" W
Climate Zone	C
Rain Zone	4
Ground Elevation (AMSL)	142.7 m / 468.2 ft

Link Information

Satellite Type	Geostationary
Mode	TR - Transmit-Receive
Modulation	Digital
Satellite Arc	83° W to 233° West Longitude
Azimuth Range	95.6° to 264.3°
Corresponding Elevation Angles	5.2° / 5.3°
Antenna Centerline (AGL)	6.71 m / 22.0 ft

Antenna Information

Receive - FCC32

Transmit - FCC32

Manufacturer	CPI Sat	CPI Sat
Model	13.2FMA	13.2FMA
Gain / Diameter	53.0 dBi / 13.2 m	56.6 dBi / 13.2 m
3-dB / 15-dB Beamwidth	0.38° / 0.76°	0.26° / 0.52°
Max Available RF Power (dBW/4 kHz)		7.0
		31.0
Maximum EIRP (dBW/4 kHz)		63.6
		87.6
Interference Objectives:	Long Term	-156.0 dBW/MHz 20%
	Short Term	-146.0 dBW/MHz 0.01%
		-154.0 dBW/4 kHz 20%
		-131.0 dBW/4 kHz 0.0025%

Frequency Information

Receive 4.0 GHz

Transmit 6.1 GHz

Emission / Frequency Range (MHz)	56K0G7W - 72M0G7W / 3400.0 - 4200.0	56K0G7W - 72M0G7W / 5850.0 - 6425.0
	1M00G9D - 1M50G9D / 3400.0 - 4200.0	1M00F9D - 1M50F9D / 5850.0 - 6425.0
	500KG9D / 3400.0 - 4200.0	64K0G7W - 72M0G7W / 5850.0 - 6425.0
		200KG7D - 1M50G7D / 5850.0 - 6425.0
		200KG7D - 1M50G7D / 6715.0 - 6725.0
		1M00F9D - 1M50F9D / 6715.0 - 6725.0

Max Great Circle Coordination Distance	1361.0 km / 845.6 mi	853.7 km / 530.4 mi
Precipitation Scatter Contour Radius	430.7 km / 267.6 mi	279.1 km / 173.4 mi

COMSEARCH**Earth Station Data Sheet**

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

Coordination Values**PAUMALU, HI**

Licensee Name	Intelsat License LLC				
Latitude (NAD 83)	21° 40' 13.7" N				
Longitude (NAD 83)	158° 2' 3.4" W				
Ground Elevation (AMSL)	142.7 m / 468.2 ft				
Antenna Centerline (AGL)	6.71 m / 22.0 ft				
Antenna Model	CPI Sat 13.2 meter				
Antenna Mode	Receive 4.0 GHz		Transmit 6.1 GHz		
Interference Objectives: Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%	
Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%	
Max Available RF Power	7.0 (dBW/4 kHz)				

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	95.62	-10.00	710.92	-10.00	433.86
5	0.00	90.64	-10.00	710.92	-10.00	433.86
10	0.00	85.66	-10.00	710.92	-10.00	433.86
15	0.00	80.68	-10.00	710.92	-10.00	433.86
20	0.00	75.70	-10.00	710.92	-10.00	433.86
25	0.00	70.72	-10.00	710.92	-10.00	433.86
30	0.00	65.75	-10.00	710.92	-10.00	433.86
35	0.00	60.77	-10.00	710.92	-10.00	433.86
40	0.00	55.80	-10.00	710.92	-10.00	433.86
45	0.33	50.81	-10.00	626.26	-10.00	375.89
50	0.30	45.85	-9.53	654.66	-9.53	393.79
55	0.51	40.86	-8.28	547.46	-8.28	330.73
60	0.28	35.94	-6.89	721.50	-6.89	441.17
65	0.59	30.95	-5.27	571.98	-5.27	346.44
70	0.88	25.98	-3.37	505.13	-3.37	307.77
75	1.14	21.02	-1.07	480.78	-1.07	296.58
80	1.36	16.10	1.83	485.92	1.83	301.33
85	1.63	11.22	5.75	496.63	5.75	307.83
90	1.98	6.50	11.67	523.29	11.67	327.00
95	2.22	3.07	19.81	724.13	19.81	545.75
100	2.76	5.01	14.51	451.62	14.51	288.43
105	3.00	9.49	7.56	351.24	7.56	222.67
110	2.92	14.11	3.26	319.21	3.26	199.23
115	3.41	18.48	0.34	269.82	0.34	158.81
120	3.32	23.04	-2.06	255.61	-2.06	147.01
125	3.20	27.57	-4.01	246.89	-4.01	139.90
130	3.22	31.98	-5.62	234.41	-5.62	129.82
135	3.26	36.31	-7.00	222.71	-7.00	120.46
140	2.68	40.80	-8.27	246.31	-8.27	137.26
145	2.28	45.09	-9.35	266.63	-9.35	151.66
150	2.37	48.98	-10.00	254.93	-10.00	142.64
155	2.55	52.55	-10.00	242.74	-10.00	133.67
160	2.08	56.10	-10.00	276.60	-10.00	158.73
165	2.63	58.51	-10.00	237.05	-10.00	129.50
170	2.38	60.71	-10.00	254.69	-10.00	142.47
175	2.11	62.13	-10.00	274.37	-10.00	157.06
180	2.45	62.17	-10.00	249.79	-10.00	138.85
185	2.27	61.97	-10.00	262.37	-10.00	148.14

COMSEARCH**Earth Station Data Sheet**

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

Coordination Values**PAUMALU, HI**

Licensee Name	Intelsat License LLC				
Latitude (NAD 83)	21° 40' 13.7" N				
Longitude (NAD 83)	158° 2' 3.4" W				
Ground Elevation (AMSL)	142.7 m / 468.2 ft				
Antenna Centerline (AGL)	6.71 m / 22.0 ft				
Antenna Model	CPI Sat 13.2 meter				
Antenna Mode	Receive 4.0 GHz		Transmit 6.1 GHz		
Interference Objectives: Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%	
Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%	
Max Available RF Power	7.0 (dBW/4 kHz)				

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	2.06	60.97	-10.00	277.80	-10.00	159.62
195	1.89	59.02	-10.00	293.56	-10.00	172.65
200	1.75	56.29	-10.00	306.42	-10.00	181.99
205	1.19	53.26	-10.00	365.30	-10.00	223.10
210	0.85	49.71	-10.00	424.00	-10.00	256.87
215	0.64	45.84	-9.53	485.29	-9.53	296.16
220	0.51	41.75	-8.52	542.01	-8.52	327.44
225	0.00	37.69	-7.41	766.86	-7.41	470.32
230	0.45	33.13	-6.01	623.82	-6.01	375.50
235	0.00	28.87	-4.51	829.19	-4.51	512.10
240	0.00	24.36	-2.67	873.32	-2.67	539.31
245	0.00	19.82	-0.43	929.74	-0.43	566.30
250	0.00	15.24	2.42	1005.82	2.42	612.47
255	0.00	10.72	6.25	1115.12	6.25	683.14
260	0.00	6.83	11.13	1269.25	11.13	791.56
265	0.00	5.33	13.83	1361.02	13.83	853.71
270	0.00	7.74	9.78	1224.80	9.78	761.21
275	0.00	11.89	5.12	1081.68	5.12	661.23
280	0.00	16.51	1.55	982.09	1.55	597.79
285	0.00	21.30	-1.21	909.63	-1.21	561.15
290	0.00	26.17	-3.44	854.45	-3.44	527.77
295	0.00	31.07	-5.31	810.66	-5.31	500.44
300	0.00	36.00	-6.91	777.82	-6.91	477.40
305	0.00	40.95	-8.31	747.17	-8.31	457.55
310	0.00	45.90	-9.55	720.54	-9.55	440.17
315	0.00	50.87	-10.00	710.92	-10.00	433.86
320	0.00	55.83	-10.00	710.92	-10.00	433.86
325	0.00	60.80	-10.00	710.92	-10.00	433.86
330	0.00	65.78	-10.00	710.92	-10.00	433.86
335	0.00	70.75	-10.00	710.92	-10.00	433.86
340	0.00	75.73	-10.00	710.92	-10.00	433.86
345	0.00	80.71	-10.00	710.92	-10.00	433.86
350	0.00	85.68	-10.00	710.92	-10.00	433.86
355	0.00	90.66	-10.00	710.92	-10.00	433.86

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
Intelsat License LLC
PAUMALU, HI
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
October 05, 2020

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1. CONCLUSIONS

An interference study considering all existing, proposed and prior coordinated microwave facilities within the coordination contours of the proposed earth station demonstrates that this site will operate satisfactorily with the common carrier microwave environment. Further, there will be no restrictions of its operation due to interference considerations.

2. SUMMARY OF RESULTS

A number of great circle interference cases were identified during the interference study of the proposed earth station. Each of the cases, which exceeded the interference objective on a line-of-sight basis, was profiled and the propagation losses estimated using NBS TN101 (Revised) techniques. The losses were found to be sufficient to reduce the signal levels to acceptable magnitudes in every case.

3. SUPPLEMENTAL SHOWING

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations.

Coordination data for this earth station was sent to the below listed carriers with a letter dated 08/18/2020.

Company

Aeronautical Radio Inc.
AT&T Corp.
AT&T Mobility Spectrum LLC - Hawaii
County of Kauai Department of Police
Hawaii Catholic TV, Inc
Hawaii, State of
Hawaiian Electric Company, Inc.
Hawaiian Telcom, Inc.
Honolulu City & County Dept of Info Tech
Maui Electric Company Ltd
Maui, County of
NEXSTAR BROADCASTING, INC.
Oceanic Time Warner Cable LLC
Ohana Broadcast Company LLC
University of Hawaii

4. EARTH STATION COORDINATION DATA

This section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Date: 10/05/2020
Job Number: 200818COMSGE02

Administrative Information

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

Site Information

PAUMALU, HI

Venue Name
Latitude (NAD 83) 21° 40' 13.7" N
Longitude (NAD 83) 158° 2' 3.4" W
Climate Zone C
Rain Zone 4
Ground Elevation (AMSL) 142.7 m / 468.2 ft

Link Information

Satellite Type Geostationary
Mode TR - Transmit-Receive
Modulation Digital
Satellite Arc 83° W to 233° West Longitude
Azimuth Range 95.6° to 264.3°
Corresponding Elevation Angles 5.2° / 5.3°
Antenna Centerline (AGL) 6.71 m / 22.0 ft

Antenna Information

Receive - FCC32

Transmit - FCC32

Manufacturer CPI Sat
Model 13.2FMA
Gain / Diameter 53.0 dBi / 13.2 m
3-dB / 15-dB Beamwidth 0.38° / 0.76°

CPI Sat
13.2FMA
56.6 dBi / 13.2 m
0.26° / 0.52°

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

7.0
31.0

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

63.6
87.6

158

Interference Objectives: Long Term -156.0 dBW/MHz 20%
Short Term -146.0 dBW/MHz 0.01%

-154.0 dBW/4 kHz 20%
-131.0 dBW/4 kHz 0.0025%

Frequency Information

Receive 4.0 GHz

Transmit 6.1 GHz

Emission / Frequency Range (MHz)
56K0G7W - 72M0G7W / 3400.0 - 4200.0
500KG9D - 1M50G9D

64K0G7W - 72M0G7W / 5850.0 - 6584.0
64K0G7W - 72M0G7W / 6636.0 - 6725.0
1M00F9D - 1M50F9D / 5850.0 - 6425.0
1M00F9D - 1M50F9D / 6715.0 - 6725.0

Max Great Circle Coordination Distance 1361.0 km / 845.6 mi
Precipitation Scatter Contour Radius 430.7 km / 267.6 mi

853.7 km / 530.4 mi
279.1 km / 173.4 mi

COMSEARCH

Earth Station Data Sheet

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Coordination Values

PAUMALU, HI

Licensee Name Intelsat License LLC
Latitude (NAD 83) 21° 40' 13.7" N
Longitude (NAD 83) 158° 2' 3.4" W
Ground Elevation (AMSL) 142.7 m / 468.2 ft
Antenna Centerline (AGL) 6.71 m / 22.0 ft
Antenna Model CPI Sat 13.2 meter

Antenna Mode Receive 4.0 GHz

Interference Objectives: Long Term -156.0 dBW/MHz 20% Transmit 6.1 GHz -154.0 dBW/4 kHz 20%
Short Term -146.0 dBW/MHz 0.01% -131.0 dBW/4 kHz 0.0025%

Max Available RF Power 7.0 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	95.62	-10.00	710.92	-10.00	433.86
5	0.00	90.64	-10.00	710.92	-10.00	433.86
10	0.00	85.66	-10.00	710.92	-10.00	433.86
15	0.00	80.68	-10.00	710.92	-10.00	433.86
20	0.00	75.70	-10.00	710.92	-10.00	433.86
25	0.00	70.72	-10.00	710.92	-10.00	433.86
30	0.00	65.75	-10.00	710.92	-10.00	433.86
35	0.00	60.77	-10.00	710.92	-10.00	433.86
40	0.00	55.80	-10.00	710.92	-10.00	433.86
45	0.00	50.83	-10.00	710.92	-10.00	433.86
50	0.30	45.85	-9.53	651.69	-9.53	391.91
55	0.48	40.87	-8.28	561.64	-8.28	339.13
60	0.36	35.93	-6.89	668.89	-6.89	403.46
65	0.55	30.96	-5.27	590.64	-5.27	355.68
70	0.83	25.99	-3.37	522.27	-3.37	317.75
75	1.10	21.03	-1.07	486.93	-1.07	300.19
80	1.17	16.14	1.80	517.84	1.80	317.65
85	1.65	11.22	5.75	492.59	5.75	307.74
90	2.07	6.46	11.74	509.91	11.74	319.12
95	2.15	3.14	19.58	724.39	19.58	545.91
100	2.65	5.06	14.39	464.93	14.39	296.42
105	2.94	9.52	7.53	356.60	7.53	226.03
110	2.73	14.19	3.20	336.02	3.20	210.54
115	3.49	18.44	0.35	265.64	0.35	155.71
120	3.35	23.03	-2.06	254.49	-2.06	146.18
125	3.19	27.57	-4.01	247.31	-4.01	140.21
130	3.23	31.98	-5.62	233.82	-5.62	129.39
135	3.27	36.31	-7.00	222.38	-7.00	120.23
140	2.65	40.82	-8.27	248.45	-8.27	138.83
145	2.23	45.12	-9.36	270.34	-9.36	154.41
150	2.23	49.05	-10.00	265.66	-10.00	150.59
155	2.27	52.69	-10.00	262.24	-10.00	148.05
160	2.12	56.08	-10.00	273.77	-10.00	156.62
165	2.65	58.50	-10.00	235.71	-10.00	128.53
170	2.33	60.75	-10.00	257.81	-10.00	144.77
175	2.16	62.08	-10.00	270.46	-10.00	154.15
180	2.43	62.18	-10.00	250.84	-10.00	139.62
185	2.30	61.95	-10.00	260.64	-10.00	146.86

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Coordination Values

PAUMALU, HI

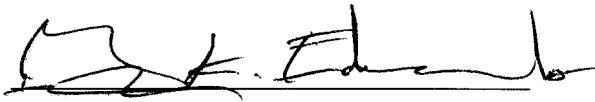
Licensee Name	Intelsat License LLC				
Latitude (NAD 83)	21° 40' 13.7" N				
Longitude (NAD 83)	158° 2' 3.4" W				
Ground Elevation (AMSL)	142.7 m / 468.2 ft				
Antenna Centerline (AGL)	6.71 m / 22.0 ft				
Antenna Model	CPI Sat 13.2 meter				
Antenna Mode	Receive 4.0 GHz				
Interference Objectives: Long Term	-156.0 dBW/MHz	20%	Transmit 6.1 GHz	-154.0 dBW/4 kHz	20%
Short Term	-146.0 dBW/MHz	0.01%		-131.0 dBW/4 kHz	0.0025%
Max Available RF Power	7.0 (dBW/4 kHz)				

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	1.99	61.03	-10.00	283.60	-10.00	165.32
195	1.88	59.02	-10.00	293.85	-10.00	172.87
200	1.69	56.33	-10.00	312.62	-10.00	186.42
205	1.15	53.28	-10.00	369.79	-10.00	225.90
210	0.84	49.71	-10.00	426.12	-10.00	258.19
215	0.60	45.86	-9.53	496.38	-9.53	302.68
220	0.52	41.75	-8.52	540.50	-8.52	326.55
225	0.00	37.69	-7.41	766.86	-7.41	470.32
230	0.34	33.18	-6.02	697.02	-6.02	421.87
235	0.00	28.87	-4.51	829.19	-4.51	512.10
240	0.00	24.36	-2.67	873.32	-2.67	539.31
245	0.00	19.82	-0.43	929.74	-0.43	566.30
250	0.00	15.24	2.42	1005.82	2.42	612.47
255	0.00	10.72	6.25	1115.12	6.25	683.14
260	0.00	6.83	11.13	1269.25	11.13	791.56
265	0.00	5.33	13.83	1361.02	13.83	853.71
270	0.00	7.74	9.78	1224.80	9.78	761.21
275	0.00	11.89	5.12	1081.68	5.12	661.23
280	0.00	16.51	1.55	982.09	1.55	597.79
285	0.00	21.30	-1.21	909.63	-1.21	561.15
290	0.00	26.17	-3.44	854.45	-3.44	527.77
295	0.00	31.07	-5.31	810.66	-5.31	500.44
300	0.00	36.00	-6.91	777.82	-6.91	477.40
305	0.00	40.95	-8.31	747.17	-8.31	457.55
310	0.00	45.90	-9.55	720.54	-9.55	440.17
315	0.00	50.87	-10.00	710.92	-10.00	433.86
320	0.00	55.83	-10.00	710.92	-10.00	433.86
325	0.00	60.80	-10.00	710.92	-10.00	433.86
330	0.00	65.78	-10.00	710.92	-10.00	433.86
335	0.00	70.75	-10.00	710.92	-10.00	433.86
340	0.00	75.73	-10.00	710.92	-10.00	433.86
345	0.00	80.71	-10.00	710.92	-10.00	433.86
350	0.00	85.68	-10.00	710.92	-10.00	433.86
355	0.00	90.66	-10.00	710.92	-10.00	433.86

5. CERTIFICATION

I HEREBY CERTIFY THAT I AM THE TECHNICALLY QUALIFIED PERSON RESPONSIBLE FOR THE PREPARATION OF THE FREQUENCY COORDINATION DATA CONTAINED IN THIS APPLICATION, THAT I AM FAMILIAR WITH PARTS 101 AND 25 OF THE FCC RULES AND REGULATIONS, THAT I HAVE EITHER PREPARED OR REVIEWED THE FREQUENCY COORDINATION DATA SUBMITTED WITH THIS APPLICATION, AND THAT IT IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

BY: _



Gary K. Edwards
Senior Manager
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147

DATED: October 05, 2020