

Exhibit C

Prepared By

COMSEARCH

21515 Ridgetop Circle, Suite 300
Sterling, Va. 20166
(703)726-5500 <http://www.comsearch.com>

Prepared For

Intelsat License LLC Paumalu, Hawaii

Temporary Transmit-Only Earth Station
Operation Dates: 10/15/2022 - 04/15/2023

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. Verbal and written coordination was conducted with the below listed carriers on September 05, 2022.

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 09/05/2022.

Company

AT&T Corp.
AT&T Mobility Spectrum LLC - Hawaii
County of Kauai Department of Police
Federal Communication Commission
Hawaii, State of
Hawaiian Electric Company, Inc.
Hawaiian Telecom Inc.
Honolulu City & County Dept of Info Tech
Nexstar Media Inc.
University of Hawaii

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: 09/05/2022
Job Number: 220905COMSGE02

Administrative Information

Status: TEMPORARY (Operation from 10/15/2022 to 04/15/2023)
Call Sign: TEMP04
Licensee Code: INTELS
Licensee Name: Intelsat License LLC

Site Information

PAUMALU, HI

Venue Name
Latitude (NAD 83): 21° 40' 15.4" N
Longitude (NAD 83): 158° 2' 3.5" W
Climate Zone: A
Rain Zone: 4
Ground Elevation (AMSL): 144.8 m / 475.1 ft Description: DATUM = NA

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): 9.8 m / 32.2 ft

Antenna Information

Receive - FCC32

Transmit - FCC32

Manufacturer	Vertex	Vertex
Model	9 KPC	9 KPC
Gain / Diameter	50.1 dBi / 9.0 m	53.5 dBi / 9.0 m
3-dB / 15-dB Beamwidth	1.00° / 2.00°	1.00° / 2.00°
Max Available RF Power (dBW/4 kHz)		5.1
		29.1
Maximum EIRP (dBW/4 kHz)		58.6
		82.6
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)	500KG2D / 4000.0 - 4200.0	1M00F2D / 6415.0 - 6425.0
Max Great Circle Coordination Distance	663.9 km / 412.5 mi	483.4 km / 300.4 mi
Precipitation Scatter Contour Radius	430.7 km / 267.6 mi	230.0 km / 142.9 mi

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Earth Station Data Sheet

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Coordination Values		PAUMALU, HI			
Licensee Name		Intelsat License LLC			
Latitude (NAD 83)		21° 40' 15.4" N			
Longitude (NAD 83)		158° 2' 3.5" W			
Ground Elevation (AMSL)		144.8 m / 475.1 ft			
Antenna Centerline (AGL)		9.8 m / 32.2 ft			
Antenna Model		Vertex 9 KPC			
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		5.1 (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	285.28	-10.00	200.71
5	0.00	90.64	-10.00	285.28	-10.00	200.71
10	0.00	85.66	-10.00	285.28	-10.00	200.71
15	0.00	80.68	-10.00	285.28	-10.00	200.71
20	0.00	75.70	-10.00	285.28	-10.00	200.71
25	0.00	70.72	-10.00	285.28	-10.00	200.71
30	0.00	65.75	-10.00	285.28	-10.00	200.71
35	0.00	60.77	-10.00	285.28	-10.00	200.71
40	0.00	55.80	-10.00	285.28	-10.00	200.71
45	0.00	50.83	-10.00	285.28	-10.00	200.71
50	0.00	45.87	-9.54	288.23	-9.54	202.47
55	0.33	40.88	-8.29	279.65	-8.29	194.47
60	0.33	35.93	-6.89	289.52	-6.89	200.64
65	0.36	30.99	-5.28	296.48	-5.28	204.19
70	0.70	26.01	-3.38	278.38	-3.38	188.72
75	0.88	21.07	-1.09	282.12	-1.09	189.26
80	1.15	16.15	1.80	289.24	1.80	191.48
85	1.47	11.27	5.70	307.36	5.70	200.19
90	1.74	6.63	11.47	347.31	11.47	218.75
95	2.11	3.18	19.44	663.92	19.44	483.43
100	2.66	5.06	14.41	342.13	14.41	211.27
105	2.95	9.52	7.54	273.90	7.54	172.09
110	2.83	14.15	3.23	244.76	3.23	151.61
115	3.34	18.50	0.32	214.19	0.32	130.78
120	3.28	23.06	-2.07	205.37	-2.07	123.05
125	3.16	27.59	-4.02	198.12	-4.02	117.96
130	3.30	31.95	-5.61	187.18	-5.61	109.26
135	3.21	36.33	-7.01	181.90	-7.01	105.44
140	2.63	40.83	-8.27	188.63	-8.27	111.67
145	2.20	45.13	-9.36	192.90	-9.36	115.91
150	2.03	49.14	-10.00	193.72	-10.00	116.98
155	2.33	52.66	-10.00	186.99	-10.00	111.14
160	2.02	56.14	-10.00	194.08	-10.00	117.29
165	2.54	58.58	-10.00	182.25	-10.00	107.13
170	2.24	60.82	-10.00	188.98	-10.00	112.85
175	1.92	62.31	-10.00	196.72	-10.00	119.63
180	2.13	62.48	-10.00	191.53	-10.00	115.06
185	1.98	62.26	-10.00	195.18	-10.00	118.26

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Earth Station Data Sheet

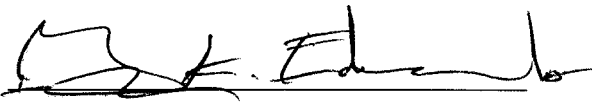
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Antenna Mode		Receive 4.0 GHz		Transmit 6.1 GHz	
Interference Objectives:		Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz 20%
		Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power		5.1 (dBW/4 kHz)			

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	1.77	61.21	-10.00	200.79	-10.00	123.28
195	1.53	59.25	-10.00	204.74	-10.00	129.07
200	1.41	56.49	-10.00	208.10	-10.00	132.13
205	0.92	53.39	-10.00	224.46	-10.00	145.52
210	0.63	49.81	-10.00	241.68	-10.00	161.53
215	0.32	45.98	-9.56	272.80	-9.56	190.31
220	0.00	41.97	-8.57	294.51	-8.57	204.52
225	0.00	37.69	-7.40	302.32	-7.40	209.04
230	0.00	33.31	-6.06	311.55	-6.06	214.43
235	0.00	28.87	-4.51	323.18	-4.51	220.95
240	0.00	24.36	-2.67	336.57	-2.67	229.06
245	0.00	19.82	-0.43	353.35	-0.43	239.47
250	0.00	15.24	2.42	375.49	2.42	252.97
255	0.00	10.72	6.25	406.12	6.25	273.99
260	0.00	6.83	11.13	449.36	11.13	304.46
265	0.00	5.33	13.83	662.78	13.83	482.89
270	0.00	7.74	9.77	436.95	9.77	295.57
275	0.00	11.89	5.12	396.66	5.12	267.52
280	0.00	16.51	1.55	368.64	1.55	248.54
285	0.00	21.30	-1.21	347.41	-1.21	235.75
290	0.00	26.17	-3.44	330.87	-3.44	225.59
295	0.00	31.08	-5.31	317.48	-5.31	217.56
300	0.00	36.00	-6.91	305.70	-6.91	211.01
305	0.00	40.95	-8.31	296.28	-8.31	205.54
310	0.00	45.90	-9.55	288.18	-9.55	202.44
315	0.00	50.87	-10.00	285.28	-10.00	200.71
320	0.00	55.83	-10.00	285.28	-10.00	200.71
325	0.00	60.80	-10.00	285.28	-10.00	200.71
330	0.00	65.78	-10.00	285.28	-10.00	200.71
335	0.00	70.75	-10.00	285.28	-10.00	200.71
340	0.00	75.73	-10.00	285.28	-10.00	200.71
345	0.00	80.71	-10.00	285.28	-10.00	200.71
350	0.00	85.68	-10.00	285.28	-10.00	200.71
355	0.00	90.66	-10.00	285.28	-10.00	200.71

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
21515 Ridgetop Circle, Suite 300
Sterling, VA 20166

DATED: September 19, 2022