Exhibit B

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
January 25, 2018

TABLE OF CONTENTS

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 12/20/2017.

Company
AT&T Corp.
County of Kauai Department of Police
Hawaii State
Hawaiian Electric Company, Inc
Hawaiian Telcom, Inc.
Honolulu City & County Dept of Info Tech
Maui, County of
NEXSTAR BROADCASTING, INC.
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:	01/25/2018
Job Number:	171220COMSGE02

Administrative Information

Status	ENGINEER PROPOSAL
Call Sign	KA269
Licensee Code	INTELS
Licensee Name	Intelsat License LLC

Site Information — PAUMALU, HI

Venue Name	
Latitude (NAD 83)	21° 40' 12.6" N
Longitude (NAD 83)	158° 2' 6.1" W
Climate Zone	A
Rain Zone	4
Ground Elevation (AMSL)	144.8 m / 475.1 ft

Link Information

Satellite Type	Geostationary
Mode	TR - Transmit-Receive
Modulation	Analog and 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)			8.5	
	(dBW/MHz)			32.5	
Maximum EIRP	(dBW/4 kHz)			62.0	
	(dBW/MHz)			86.0	
Interference Objectives:	Long Term	-144.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
	Short Term	-134.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%

Frequency Information	Receive 4.0 GHz	Transmit 6.1 GHz
Emission / Frequency Range (MHz)	1M50FXD / 3625.0 - 4200.0	1M50FXD / 5850.0 - 5853.5 1M50FXD / 6421.5 - 6425.0
Max Great Circle Coordination Distance	510.1 km / 316.9 mi	523.5 km / 325.3 mi
Precipitation Scatter Contour Radius	380.9 km / 236.7 mi	320.4 km / 199.1 mi

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Coordination Values	**PAUMALU, HI**			
Licensee Name	Intelsat License LLC			
Latitude (NAD 83)	21° 40' 12.6" N			
Longitude (NAD 83)	158° 2' 6.1" W			
Ground Elevation (AMSL)	144.8 m / 475.1 ft			
Antenna Centerline (AGL)	9.8 m / 32.2 ft			
Antenna Model	Vertex 9 meter			
Antenna Mode	Receive 4.0 GHz		Transmit 6.1 GHz	
Interference Objectives: Long Term	-144.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
Short Term	-134.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power			8.5 (dBW/4 kHz)	

			Receive 4.0 GHz		Transmit 6.1 GHz	
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	95.62	-10.00	220.54	-10.00	212.25
5	0.00	90.64	-10.00	220.54	-10.00	212.25
10	0.00	85.66	-10.00	220.54	-10.00	212.25
15	0.00	80.68	-10.00	220.54	-10.00	212.25
20	0.00	75.70	-10.00	220.54	-10.00	212.25
25	0.00	70.72	-10.00	220.54	-10.00	212.25
30	0.00	65.75	-10.00	220.54	-10.00	212.25
35	0.00	60.77	-10.00	220.54	-10.00	212.25
40	0.00	55.80	-10.00	220.54	-10.00	212.25
45	0.00	50.83	-10.00	220.54	-10.00	212.25
50	0.00	45.87	-9.54	222.57	-9.54	214.13
55	0.35	40.88	-8.29	212.79	-8.29	204.62
60	0.00	35.97	-6.90	234.94	-6.90	225.35
65	0.40	30.98	-5.28	221.48	-5.28	212.62
70	0.81	25.99	-3.37	204.97	-3.37	197.91
75	0.88	21.07	-1.09	211.36	-1.09	204.10
80	1.24	16.13	1.81	212.16	1.81	204.61
85	1.22	11.36	5.62	232.36	5.62	221.55
90	1.88	6.55	11.59	246.52	11.59	233.47
95	2.05	3.24	19.23	510.05	19.23	523.54
100	2.71	5.03	14.45	242.60	14.45	229.32
105	2.57	9.66	7.38	205.15	7.38	197.03
110	2.72	14.19	3.20	183.89	3.20	172.70
115	3.33	18.50	0.32	153.72	0.32	143.34
120	3.07	23.14	-2.11	147.83	-2.11	138.18
125	3.03	27.64	-4.04	140.31	-4.04	132.73
130	3.19	31.99	-5.63	132.44	-5.63	123.96
135	2.97	36.43	-7.04	131.27	-7.04	122.90
140	2.77	40.77	-8.26	130.42	-8.26	121.78
145	1.99	45.23	-9.39	139.99	-9.39	132.42
150	2.29	49.02	-10.00	133.02	-10.00	124.41
155	2.01	52.83	-10.00	137.26	-10.00	129.89
160	2.41	55.91	-10.00	130.72	-10.00	122.08
165	2.50	58.60	-10.00	128.90	-10.00	120.24
170	2.23	60.84	-10.00	134.20	-10.00	125.60
175	2.24	62.00	-10.00	133.88	-10.00	125.27
180	2.19	62.42	-10.00	134.87	-10.00	126.28
185	1.91	62.32	-10.00	139.50	-10.00	132.04

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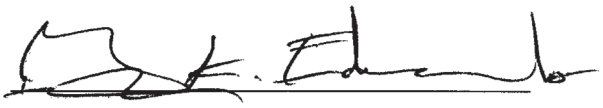
Antenna Mode	Receive 4.0 GHz		Transmit 6.1 GHz	
Interference Objectives: Long Term	-144.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
Short Term	-134.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power			8.5 (dBW/4 kHz)	

			Receive 4.0 GHz		Transmit 6.1 GHz	
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	1.76	61.21	-10.00	143.39	-10.00	134.41
195	1.51	59.27	-10.00	150.43	-10.00	140.96
200	1.41	56.49	-10.00	153.17	-10.00	143.53
205	0.91	53.40	-10.00	172.73	-10.00	160.50
210	0.62	49.82	-10.00	188.39	-10.00	178.42
215	0.34	45.97	-9.56	208.59	-9.56	202.22
220	0.00	41.97	-8.57	226.95	-8.57	218.13
225	0.00	37.69	-7.41	232.47	-7.41	223.13
230	0.27	33.20	-6.03	231.52	-6.03	222.09
235	0.00	28.87	-4.51	247.14	-4.51	236.23
240	0.00	24.36	-2.67	257.34	-2.67	245.08
245	0.00	19.82	-0.43	270.32	-0.43	255.84
250	0.00	15.24	2.42	287.99	2.42	271.53
255	0.00	10.72	6.25	314.37	6.25	294.76
260	0.00	6.83	11.13	350.01	11.13	328.12
265	0.00	5.33	13.83	509.76	13.83	522.85
270	0.00	7.75	9.77	339.83	9.77	318.49
275	0.00	11.89	5.12	305.89	5.12	287.64
280	0.00	16.51	1.55	282.46	1.55	266.60
285	0.00	21.30	-1.21	265.68	-1.21	251.76
290	0.00	26.17	-3.44	253.02	-3.44	241.30
295	0.00	31.08	-5.31	242.94	-5.31	232.51
300	0.00	36.00	-6.91	234.89	-6.91	225.30
305	0.00	40.95	-8.31	228.20	-8.31	219.26
310	0.00	45.90	-9.55	222.54	-9.55	214.10
315	0.00	50.87	-10.00	220.54	-10.00	212.25
320	0.00	55.83	-10.00	220.54	-10.00	212.25
325	0.00	60.80	-10.00	220.54	-10.00	212.25
330	0.00	65.78	-10.00	220.54	-10.00	212.25
335	0.00	70.75	-10.00	220.54	-10.00	212.25
340	0.00	75.73	-10.00	220.54	-10.00	212.25
345	0.00	80.71	-10.00	220.54	-10.00	212.25
350	0.00	85.68	-10.00	220.54	-10.00	212.25
355	0.00	90.66	-10.00	220.54	-10.00	212.25

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
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19700 Janelia Farm Boulevard
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DATED: January 25, 2018