Jennifer D. Hindin
202.719.4975
jhindin@wileyrein.com

VIA ELECTRONIC FILING

November 14, 2018

Marlene H. Dortch
Office of the Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Re: AT&T Corp. Application for Modification of Call Sign KB32 to Add New Antennas, IBFS File No. SES-MOD-INTR2018-09339

Dear Ms. Dortch:

AT&T Corp., by its undersigned counsel, respectfully notifies the Federal Communications Commission that the coordination process for the above-captioned earth station modification application has been completed. Attached are the final Frequency Coordination and Interference Analysis Reports for inclusion in the FCC's files for the above-referenced earth station application.

Should you have any questions regarding this filing, please do not hesitate to contact me.

Respectfully Submitted,

/s/ Jennifer D. Hindin

Jennifer D. Hindin
Counsel for AT&T Corp.

Attachment 1

Coordination Report for 11.1-meter Antenna

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
AT&T Corp –
MALIBU, CA
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
October 31, 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 10/15/2018.

Company
ABC Holding Company Inc.
AT&T Mobility Spectrum LLC - Southern CA
Air Sites 2000 LLC
Anaheim City, of
BNS Electronics, Inc.
California Internet Solutions, Inc.
California Internet, L.P.
California State University, Northridge
California, State of
City of Los Angeles Dept Water & Power
City of Montebello
Coast Community College District
Communication Services, Inc.
DM Ventures, Inc. dba Warp2Biz
Fresno MSA Limited Partnership
Frontier California Inc.
Glendale City California
Go Creative Wireless
ION Media Los Angeles License, Inc.
KTLA, LLC
Kern, County of
LDM Engineering
Los Angeles City Info Technology Agency
Los Angeles County Dept of Public Works
Los Angeles County FCC Licensing Section
Los Angeles County Metro Transit Auth
Los Angeles Regional Interoperable Comm
Los Angeles SMSA Ltd. Partnership
Los Angeles Unified School District
MHO Networks
Metropolitan Water Dist of So California
New Cingular Wireless PCS - Los Angeles
Nextel of California Inc.
Nextweb Inc
Northrop Grumman Systems Corp.
Nrj TV La License Co, LLC
Olympic Wireless, LLC
Orange, County of, CA
Pacific Bell Tel Com dba AT&T California
Regents of the University of California
San Bernardino County of California

Santa Barbara, County of
Skyriver Communications
Southern California Edison Company
Southern California Gas Company
Southern California Regional Rail Auth.
Spectrum Link, Inc.
TV Microwaves Company
Turn Wireless, LLC
Union Pacific Railroad Company
Vectus, Inc
Ventura, County of
Verizon Wireless (VAW) LLC (Southern CA)
Verizon Wireless (VAW) LLC-N CA/NV
Wiline Spectrum Holdings LLC

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:	10/31/2018
Job Number:	181015COMSGE14

Administrative Information

Status	ENGINEER PROPOSAL
Call Sign	KB32
Licensee Code	P1175P
Licensee Name	AT&T Corp -

Site Information — MALIBU, CA

Venue Name	
Latitude (NAD 83)	34° 4' 51.0" N
Longitude (NAD 83)	118° 53' 47.3" W
Climate Zone	A
Rain Zone	4
Ground Elevation (AMSL)	335.28 m / 1100.0 ft

Link Information

Satellite Type	Geostationary
Mode	TR - Transmit-Receive
Modulation	Digital
Satellite Arc	52° W to 187° West Longitude
Azimuth Range	103.4° to 257.3°
Corresponding Elevation Angles	10.4° / 9.4°
Antenna Centerline (AGL)	5.49 m / 18.0 ft

Antenna Information		Receive - FCC32		Transmit - FCC32	
Manufacturer		Gen Dynamics		Gen Dynamics	
Model		Satcom		Satcom	
Gain / Diameter		51.9 dBi / 11.1 m		55.6 dBi / 11.1 m	
3-dB / 15-dB Beamwidth		0.40° / 0.90°		0.30° / 0.60°	
Max Available RF Power	(dBW/4 kHz)			-2.7	
	(dBW/MHz)			21.3	
Maximum EIRP	(dBW/4 kHz)			52.9	
	(dBW/MHz)			76.9	
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%

Frequency Information	Receive 4.0 GHz	Transmit 6.1 GHz
Emission / Frequency Range (MHz)	54K6G7W - 72M0G7W / 3625.0 - 4200.0	54K6G7W - 72M0G7W / 5850.0 - 6425.0
Max Great Circle Coordination Distance	298.1 km / 185.2 mi	146.0 km / 90.7 mi
Precipitation Scatter Contour Radius	392.6 km / 243.9 mi	100.0 km / 62.1 mi

COMSEARCH

Earth Station Data Sheet

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

Coordination Values	**MALIBU, CA**			
Licensee Name	AT&T Corp -			
Latitude (NAD 83)	34° 4' 51.0" N			
Longitude (NAD 83)	118° 53' 47.3" W			
Ground Elevation (AMSL)	335.28 m / 1100.0 ft			
Antenna Centerline (AGL)	5.49 m / 18.0 ft			
Antenna Model	Gen Dynamics 11.1 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			-2.7 (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	5.78	102.67	-10.00	127.35	-10.00	100.00
5	6.51	98.43	-10.00	119.65	-10.00	100.00
10	7.61	93.44	-10.00	107.84	-10.00	100.00
15	7.33	88.45	-10.00	110.87	-10.00	100.00
20	8.10	83.45	-10.00	102.95	-10.00	100.00
25	7.62	78.46	-10.00	107.76	-10.00	100.00
30	7.15	73.47	-10.00	112.73	-10.00	100.00
35	7.24	68.48	-10.00	111.82	-10.00	100.00
40	7.30	63.49	-10.00	111.19	-10.00	100.00
45	6.61	58.52	-10.00	118.50	-10.00	100.00
50	5.73	53.59	-10.00	127.77	-10.00	100.00
55	6.68	48.55	-10.00	117.78	-10.00	100.00
60	4.49	43.77	-9.03	144.76	-9.03	100.00
65	5.75	38.68	-7.69	135.56	-7.69	100.00
70	6.51	33.65	-6.17	135.01	-6.17	100.00
75	6.49	28.69	-4.44	141.52	-4.44	100.00
80	6.15	23.81	-2.42	155.77	-2.42	100.00
85	5.69	19.02	0.02	177.39	0.02	100.00
90	6.58	13.97	3.37	185.42	3.37	100.00
95	6.52	9.29	7.80	209.84	7.80	100.00
100	5.80	5.75	13.00	255.86	13.00	117.20
105	6.63	4.09	16.71	272.48	16.71	123.24
110	7.08	7.24	10.51	219.32	10.51	100.00
115	8.40	10.34	6.63	182.54	6.63	100.00
120	8.91	13.85	3.47	155.14	3.47	100.00
125	7.75	18.34	0.41	150.45	0.41	100.00
130	8.90	21.19	-1.16	132.72	-1.16	100.00
135	8.66	24.81	-2.87	127.35	-2.87	100.00
140	8.66	28.08	-4.21	121.61	-4.21	100.00
145	9.74	30.27	-5.02	108.93	-5.02	100.00
150	10.15	32.62	-5.84	102.27	-5.84	100.00
155	11.37	33.88	-6.25	100.00	-6.25	100.00
160	13.86	33.44	-6.11	100.00	-6.11	100.00
165	15.13	33.58	-6.15	100.00	-6.15	100.00
170	16.33	33.34	-6.07	100.00	-6.07	100.00
175	13.91	36.29	-6.99	100.00	-6.99	100.00
180	11.66	38.73	-7.70	100.00	-7.70	100.00
185	11.05	39.13	-7.81	100.00	-7.81	100.00

COMSEARCH

Earth Station Data Sheet

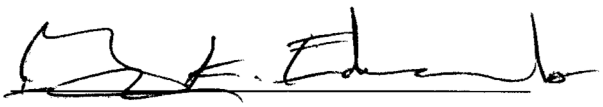
19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 http://www.comsearch.com

Coordination Values	**MALIBU, CA**			
Licensee Name	AT&T Corp -			
Latitude (NAD 83)	34° 4' 51.0" N			
Longitude (NAD 83)	118° 53' 47.3" W			
Ground Elevation (AMSL)	335.28 m / 1100.0 ft			
Antenna Centerline (AGL)	5.49 m / 18.0 ft			
Antenna Model	Gen Dynamics 11.1 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			-2.7 (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	13.29	36.34	-7.01	100.00	-7.01	100.00
195	12.00	36.59	-7.08	100.00	-7.08	100.00
200	9.60	37.36	-7.31	100.68	-7.31	100.00
205	9.43	35.56	-6.77	104.29	-6.77	100.00
210	10.12	32.65	-5.85	102.48	-5.85	100.00
215	9.66	30.32	-5.04	109.45	-5.04	100.00
220	9.43	27.51	-3.99	115.94	-3.99	100.00
225	10.23	23.70	-2.37	116.45	-2.37	100.00
230	7.59	22.08	-1.60	141.95	-1.60	100.00
235	8.05	18.14	0.53	147.51	0.53	100.00
240	8.13	14.35	3.08	161.27	3.08	100.00
245	5.86	11.91	5.10	204.56	5.10	100.00
250	4.84	8.58	8.66	238.28	8.66	109.93
255	4.33	5.58	13.34	284.63	13.34	133.95
260	3.14	6.83	11.14	298.13	11.14	145.62
265	2.15	10.56	6.40	288.23	6.40	145.99
270	2.68	14.34	3.08	247.79	3.08	124.13
275	2.52	18.95	0.06	231.78	0.06	115.60
280	2.71	23.61	-2.33	213.60	-2.33	103.31
285	2.93	28.38	-4.33	201.29	-4.33	100.00
290	3.30	33.20	-6.03	185.04	-6.03	100.00
295	2.75	38.19	-7.55	189.39	-7.55	100.00
300	4.48	42.92	-8.82	145.92	-8.82	100.00
305	4.80	47.86	-10.00	136.24	-10.00	100.00
310	5.16	52.82	-10.00	133.33	-10.00	100.00
315	5.49	57.78	-10.00	130.07	-10.00	100.00
320	6.64	62.73	-10.00	118.17	-10.00	100.00
325	7.28	67.71	-10.00	111.39	-10.00	100.00
330	7.11	72.71	-10.00	113.11	-10.00	100.00
335	6.12	77.72	-10.00	123.92	-10.00	100.00
340	6.53	82.70	-10.00	119.45	-10.00	100.00
345	7.27	87.70	-10.00	111.50	-10.00	100.00
350	7.54	92.69	-10.00	108.58	-10.00	100.00
355	6.60	97.69	-10.00	118.64	-10.00	100.00

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 31, 2018

Attachment 2

Coordination Report for 13.1-meter Antenna

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
AT&T Corp –
MALIBU, CA
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
October 31, 2018

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California, State of
City of Los Angeles Dept Water & Power
City of Montebello
Coast Community College District
Communication Services, Inc.
DM Ventures, Inc. dba Warp2Biz
Fresno MSA Limited Partnership
Frontier California Inc.
Glendale City California
Go Creative Wireless
ION Media Los Angeles License, Inc.
KTLA, LLC
Kern, County of
LDM Engineering
Los Angeles City Info Technology Agency
Los Angeles County Dept of Public Works
Los Angeles County FCC Licensing Section
Los Angeles County Metro Transit Auth
Los Angeles Regional Interoperable Comm
Los Angeles SMSA Ltd. Partnership
Los Angeles Unified School District
MHO Networks
Metropolitan Water Dist of So California
New Cingular Wireless PCS - Los Angeles
Nextel of California Inc.
Nextweb Inc
Northrop Grumman Systems Corp.
Nrj TV La License Co, LLC
Olympic Wireless, LLC
Orange, County of, CA
Pacific Bell Tel Com dba AT&T California
Regents of the University of California
San Bernardino County of California

Santa Barbara, County of
Skyriver Communications
Southern California Edison Company
Southern California Gas Company
Southern California Regional Rail Auth.
Spectrum Link, Inc.
TV Microwaves Company
Turn Wireless, LLC
Union Pacific Railroad Company
Vectus, Inc
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(703)726-5500 http://www.comsearch.com

Date: 10/31/2018
Job Number: 181015COMSGE15

Administrative Information

Status	ENGINEER PROPOSAL
Call Sign	KB32
Licensee Code	P1175P
Licensee Name	AT&T Corp - Extended C-Band Sites

Site Information — MALIBU, CA

Venue Name	
Latitude (NAD 83)	34° 4' 51.0" N
Longitude (NAD 83)	118° 53' 47.3" W
Climate Zone	A
Rain Zone	4
Ground Elevation (AMSL)	335.28 m / 1100.0 ft

Link Information

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Mode	TR - Transmit-Receive
Modulation	Digital
Satellite Arc	52° W to 187° West Longitude
Azimuth Range	103.4° to 257.3°
Corresponding Elevation Angles	10.4° / 9.4°
Antenna Centerline (AGL)	5.49 m / 18.0 ft

Antenna Information		Receive - FCC32		Transmit - FCC32	
Manufacturer		Gen Dynamics		Gen Dynamics	
Model		Satcom		Satcom	
Gain / Diameter		53.5 dBi / 13.1 m		57.3 dBi / 13.1 m	
3-dB / 15-dB Beamwidth		0.38° / 0.76°		0.26° / 0.52°	
Max Available RF Power	(dBW/4 kHz)			-2.7	
	(dBW/MHz)			21.3	
Maximum EIRP	(dBW/4 kHz)			54.6	
	(dBW/MHz)			78.6	
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%

Frequency Information	Receive 4.0 GHz	Transmit 6.1 GHz
Emission / Frequency Range (MHz)	54K6G7W - 72M0G7W / 3700.0 - 4200.0	54K6G7W - 72M0G7W / 5925.0 - 6425.0
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Max Available RF Power			-2.7 (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	5.78	102.67	-10.00	127.35	-10.00	100.00
5	6.51	98.43	-10.00	119.65	-10.00	100.00
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50	5.73	53.59	-10.00	127.77	-10.00	100.00
55	6.68	48.55	-10.00	117.78	-10.00	100.00
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85	5.69	19.02	0.02	177.39	0.02	100.00
90	6.58	13.97	3.37	185.42	3.37	100.00
95	6.52	9.29	7.80	209.84	7.80	100.00
100	5.80	5.75	13.00	255.86	13.00	117.20
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130	8.90	21.19	-1.16	132.72	-1.16	100.00
135	8.66	24.81	-2.87	127.35	-2.87	100.00
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155	11.37	33.88	-6.25	100.00	-6.25	100.00
160	13.86	33.44	-6.11	100.00	-6.11	100.00
165	15.13	33.58	-6.15	100.00	-6.15	100.00
170	16.33	33.34	-6.07	100.00	-6.07	100.00
175	13.91	36.29	-6.99	100.00	-6.99	100.00
180	11.66	38.73	-7.70	100.00	-7.70	100.00
185	11.05	39.13	-7.81	100.00	-7.81	100.00

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
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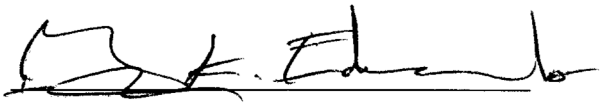
Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power			-2.7 (dBW/4 kHz)	

			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	13.29	36.34	-7.01	100.00	-7.01	100.00
195	12.00	36.59	-7.08	100.00	-7.08	100.00
200	9.60	37.36	-7.31	100.68	-7.31	100.00
205	9.43	35.56	-6.77	104.29	-6.77	100.00
210	10.12	32.65	-5.85	102.48	-5.85	100.00
215	9.66	30.32	-5.04	109.45	-5.04	100.00
220	9.43	27.51	-3.99	115.94	-3.99	100.00
225	10.23	23.70	-2.37	116.45	-2.37	100.00
230	7.59	22.08	-1.60	141.95	-1.60	100.00
235	8.05	18.14	0.53	147.51	0.53	100.00
240	8.13	14.35	3.08	161.27	3.08	100.00
245	5.86	11.91	5.10	204.56	5.10	100.00
250	4.84	8.58	8.66	238.28	8.66	109.93
255	4.33	5.58	13.34	284.63	13.34	133.95
260	3.14	6.83	11.14	298.13	11.14	145.62
265	2.15	10.56	6.40	288.23	6.40	145.99
270	2.68	14.34	3.08	247.79	3.08	124.13
275	2.52	18.95	0.06	231.78	0.06	115.60
280	2.71	23.61	-2.33	213.60	-2.33	103.31
285	2.93	28.38	-4.33	201.29	-4.33	100.00
290	3.30	33.20	-6.03	185.04	-6.03	100.00
295	2.75	38.19	-7.55	189.39	-7.55	100.00
300	4.48	42.92	-8.82	145.92	-8.82	100.00
305	4.80	47.86	-10.00	136.24	-10.00	100.00
310	5.16	52.82	-10.00	133.33	-10.00	100.00
315	5.49	57.78	-10.00	130.07	-10.00	100.00
320	6.64	62.73	-10.00	118.17	-10.00	100.00
325	7.28	67.71	-10.00	111.39	-10.00	100.00
330	7.11	72.71	-10.00	113.11	-10.00	100.00
335	6.12	77.72	-10.00	123.92	-10.00	100.00
340	6.53	82.70	-10.00	119.45	-10.00	100.00
345	7.27	87.70	-10.00	111.50	-10.00	100.00
350	7.54	92.69	-10.00	108.58	-10.00	100.00
355	6.60	97.69	-10.00	118.64	-10.00	100.00

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: _ 

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DATED: October 31, 2018