

Exhibit B

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
Boeing Commercial Satellite Services, Inc.
NEW YORK, NY
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
November 30, 2017

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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.

The following companies reported potential great circle interference conflicts that did not meet the objectives on a line-of-sight basis. When over-the-horizon losses are considered on the interfering paths, sufficient blockage exists to negate harmful interference from occurring with the proposed transmit-receive earth station.

Company

American Broadcasting Companies, Inc.

No other carriers reported potential interference cases.

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 09/22/2017.

Company

ABC, Inc. - WPVI-TV
AT&T Corp.
American Broadcasting Companies, Inc.
Bergen, County of
Blue Blazer (DE) LLC
Borough of Fort Lee, New Jersey
Borough of Sayreville
Business Only Broadband, LLC
CBS Radio East Inc.
CBS Radio Stations Inc.
Cablevision Lightpath, Inc.
Central Hudson Gas & Electric Corp.
Chevra Hatzalah Inc.
City of Jersey City
City of Jersey City, Police Department
City of Yonkers, NY (Dept of Public Works)
Clearwire Spectrum Holdings III, LLC
County of Hunterdon
Diocese of Camden
Drexel University
ECW Wireless, LLC
Electric Railroad, LLC
Entergy Nuclear Indian Point 2, LLC
Federal Home Loan Bank of New York
Freehold Township Police Department
Geodesic Networks LLC
Greater Boston Radio Inc.
Greenwich, Town of (CT)
Hammarlund Research LLC
High Voltage Communications LLC (CFN)
Highway Networks, LLC
Hispanic Information and Telecomm Netwrk
Hoboken Fire Department
Hudson County MIS Department
J & R Electronics Inc
Jamaica Hospital Medical Center
Jefferson Microwave, LLC
Lakewood Municipal Utilities Authority
Lawrence School District
Lehman College
MPS Communications

MTA - Long Island Railroad
Mahwah Township New Jersey
Middlesex, County of
Mifflin Mobilecom
Mineola Union Free School District
Mount Sinai Hospital
NBC Telemundo License Co.
NBC Telemundo License LLC
NEW YORK UNIVERSITY
NW Technologies, LLC
NYC DOT Staten Island Ferry
Nassau County Government
Nassau County Police Department
National Tower Company II, LLC
National Tower Company LLC
NeXXCom Wireless LLC
Neptune Police Department
New Cingular Wireless PCS LLC - NJ
New Cingular Wireless PCS, LLC (NY)
New Cingular Wireless PCS, LLC - PA
New Jersey Public Broadcasting Authority
New Jersey Telcomm
New Jersey, State of -NJ Transit
New Line Networks, LLC
New York City Police Department
New York City Police Department TARU
New York Communications Co., Inc
New York Methodist Hospital
New York Police Department
New York Power Authority
New York SMSA Limited Partnership
Nextel Comm. of The Mid-Atlantic, Inc.
Nextel of New York, Inc.
Nextlink Wireless, LLC
Northrop Grumman Systems Corp.
Northrop Grumman Systems Corporation Inc
Ocean County of - Div of Wireless Tech.
Ocean, County of
Office of Emergency Mng, City of Newark
Philadelphia, City of
Plymouth Township Police Department
Rendezvous Communications LLC
Rutgers, The State University of N.J.
SCS Networks
Sachem Central School District
Secom Net
Sesame Workshop
Somerset County (M.I.S.)
Sonshine Family Television Corporation
Sprint Communications Company, LP
Sprint Spectrum L.P.
Sprintcom, Inc
St. Lukes Cornwall Hospital
Standard Backhaul Communications LLC
State of New Jersey
State of New Jersey Information Technolog

State of New York, Div of State Police
T-Mobile License LLC
TTWN Networks, LLC
Telecom Transport Management, Inc
The Center for Discovery
The Goldman Sachs Group, Inc.
Time Warner Cable New York City LLC
Tivcorp, Inc.
Total Recall Corp
Towerstream Corp.
Town of Babylon
Town of North Hempstead
Town of Smithtown Dept of Public Safety
Town of Westport Connecticut
Township of Aberdeen
Township of Lower Merion
Township of Middletown
Townsquare Media Monmouth-Ocean License
Verizon Wireless (VAW) LLC (NY)
WPHL, LLC
Waterbury City Police
Weblin Holdings LLC
Weehawken, Township of
West Islip Fire District
Westchester, County of
William Paterson University
Wireless Internetwork LLC
World Class Wireless, LLC
Xchange Telecom Corp.
Zen Networks, Inc
xWave Engineering 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: 11/30/2017
Job Number: 170922COMSGE02

Administrative Information

Status: ENGINEER PROPOSAL
Call Sign:
Licensee Code: S00114
Licensee Name: Boeing Commercial Satellite Services, Inc

Site Information NEW YORK, NY

Venue Name:
Latitude (NAD 83): 40° 45' 17.4" N
Longitude (NAD 83): 73° 58' 45.9" W
Climate Zone: A
Rain Zone: 2
Ground Elevation (AMSL): 19.17 m / 62.9 ft

Link Information

Satellite Type: Geostationary
Mode: TR - Transmit-Receive
Modulation: Digital
Satellite Arc: 55° W to 55° West Longitude
Azimuth Range: 152.2° to 152.2°
Corresponding Elevation Angles: 39.0° / 39.0°
Antenna Centerline (AGL): 302.67 m / 993.0 ft

Antenna Information

Manufacturer: Paradigm Communication
Model: Connect 180
Gain / Diameter: 49.1 dBi / 1.8 m
3-dB / 15-dB Beamwidth: 0.62° / 1.24°

Receive - FCC32

Transmit - FCC32

Paradigm Communication
Connect 180
52.5 dBi / 1.8 m
0.44° / 0.88°

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

-34.3
-10.3

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

18.2
42.2

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

-151.0 dBW/4 kHz 20%
-128.0 dBW/4 kHz 0.0025%

Frequency Information

Receive 18.0 GHz

Transmit 28.0 GHz

Emission / Frequency Range (MHz): 36M0G7W / 19200.0 - 19300.0

36M0G7W / 29000.0 - 29100.0

Max Great Circle Coordination Distance: 142.4 km / 88.5 mi
Precipitation Scatter Contour Radius: 100.0 km / 62.1 mi

100.0 km / 62.1 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		NEW YORK, NY			
Licensee Name		Boeing Commercial Satellite Services, Inc			
Latitude (NAD 83)		40° 45' 17.4" N			
Longitude (NAD 83)		73° 58' 45.9" W			
Ground Elevation (AMSL)		19.17 m / 62.9 ft			
Antenna Centerline (AGL)		302.67 m / 993.0 ft			
Antenna Model		Paradigm 1.8 meter			
Antenna Mode		Receive 18.0 GHz		Transmit 28.0 GHz	
Interference Objectives: Long Term		-156.0 dBW/MHz	20%	-151.0 dBW/4 kHz	20%
Short Term		-146.0 dBW/MHz	0.01%	-128.0 dBW/4 kHz	0.0025%
Max Available RF Power		-34.3 (dBW/4 kHz)			

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 18.0 GHz		Transmit 28.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	133.44	-10.00	136.18	-10.00	100.00
5	0.00	130.80	-10.00	136.18	-10.00	100.00
10	0.00	127.89	-10.00	136.18	-10.00	100.00
15	0.00	124.78	-10.00	136.18	-10.00	100.00
20	0.00	121.48	-10.00	136.18	-10.00	100.00
25	0.00	118.04	-10.00	136.18	-10.00	100.00
30	0.00	114.48	-10.00	136.18	-10.00	100.00
35	0.00	110.82	-10.00	136.18	-10.00	100.00
40	0.00	107.09	-10.00	136.18	-10.00	100.00
45	0.00	103.30	-10.00	136.18	-10.00	100.00
50	0.00	99.47	-10.00	136.18	-10.00	100.00
55	0.00	95.61	-10.00	136.18	-10.00	100.00
60	0.00	91.73	-10.00	136.18	-10.00	100.00
65	0.00	87.84	-10.00	136.18	-10.00	100.00
70	0.00	83.96	-10.00	136.18	-10.00	100.00
75	0.00	80.10	-10.00	136.18	-10.00	100.00
80	0.00	76.27	-10.00	136.18	-10.00	100.00
85	0.00	72.49	-10.00	136.18	-10.00	100.00
90	0.00	68.77	-10.00	136.18	-10.00	100.00
95	0.00	65.12	-10.00	136.18	-10.00	100.00
100	0.00	61.57	-10.00	136.18	-10.00	100.00
105	0.00	58.14	-10.00	136.18	-10.00	100.00
110	0.00	54.87	-10.00	136.18	-10.00	100.00
115	0.00	51.77	-10.00	136.18	-10.00	100.00
120	0.00	48.90	-10.00	136.18	-10.00	100.00
125	0.00	46.29	-9.64	137.18	-9.64	100.00
130	0.00	44.00	-9.09	138.72	-9.09	100.00
135	0.00	42.08	-8.60	140.09	-8.60	100.00
140	0.00	40.58	-8.21	141.21	-8.21	100.00
145	0.00	39.56	-7.93	142.01	-7.93	100.00
150	0.00	39.06	-7.79	142.42	-7.79	100.00
155	0.00	39.09	-7.80	142.39	-7.80	100.00
160	0.00	39.65	-7.96	141.94	-7.96	100.00
165	0.00	40.72	-8.25	141.10	-8.25	100.00
170	0.00	42.27	-8.65	139.95	-8.65	100.00
175	0.00	44.23	-9.14	138.55	-9.14	100.00
180	0.00	46.56	-9.70	137.00	-9.70	100.00
185	0.00	49.20	-10.00	136.18	-10.00	100.00

COMSEARCH

Earth Station Data Sheet

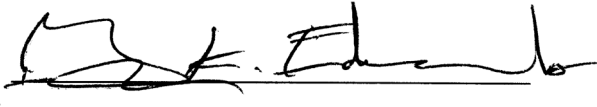
19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Coordination Values		NEW YORK, NY			
Licensee Name		Boeing Commercial Satellite Services, Inc			
Latitude (NAD 83)		40° 45' 17.4" N			
Longitude (NAD 83)		73° 58' 45.9" W			
Ground Elevation (AMSL)		19.17 m / 62.9 ft			
Antenna Centerline (AGL)		302.67 m / 993.0 ft			
Antenna Model		Paradigm 1.8 meter			
Antenna Mode		Receive 18.0 GHz		Transmit 28.0 GHz	
Interference Objectives: Long Term		-156.0 dBW/MHz	20%	-151.0 dBW/4 kHz	20%
Short Term		-146.0 dBW/MHz	0.01%	-128.0 dBW/4 kHz	0.0025%
Max Available RF Power				-34.3 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 18.0 GHz		Transmit 28.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	52.11	-10.00	136.18	-10.00	100.00
195	0.00	55.22	-10.00	136.18	-10.00	100.00
200	0.00	58.52	-10.00	136.18	-10.00	100.00
205	0.00	61.96	-10.00	136.18	-10.00	100.00
210	0.00	65.52	-10.00	136.18	-10.00	100.00
215	0.00	69.18	-10.00	136.18	-10.00	100.00
220	0.00	72.91	-10.00	136.18	-10.00	100.00
225	0.00	76.70	-10.00	136.18	-10.00	100.00
230	0.00	80.53	-10.00	136.18	-10.00	100.00
235	0.00	84.39	-10.00	136.18	-10.00	100.00
240	0.00	88.27	-10.00	136.18	-10.00	100.00
245	0.00	92.16	-10.00	136.18	-10.00	100.00
250	0.00	96.04	-10.00	136.18	-10.00	100.00
255	0.00	99.90	-10.00	136.18	-10.00	100.00
260	0.00	103.73	-10.00	136.18	-10.00	100.00
265	0.00	107.51	-10.00	136.18	-10.00	100.00
270	0.00	111.23	-10.00	136.18	-10.00	100.00
275	0.00	114.88	-10.00	136.18	-10.00	100.00
280	0.00	118.43	-10.00	136.18	-10.00	100.00
285	0.00	121.86	-10.00	136.18	-10.00	100.00
290	0.00	125.13	-10.00	136.18	-10.00	100.00
295	0.00	128.23	-10.00	136.18	-10.00	100.00
300	0.00	131.10	-10.00	136.18	-10.00	100.00
305	0.00	133.71	-10.00	136.18	-10.00	100.00
310	0.00	136.00	-10.00	136.18	-10.00	100.00
315	0.00	137.92	-10.00	136.18	-10.00	100.00
320	0.00	139.42	-10.00	136.18	-10.00	100.00
325	0.00	140.44	-10.00	136.18	-10.00	100.00
330	0.00	140.94	-10.00	136.18	-10.00	100.00
335	0.00	140.91	-10.00	136.18	-10.00	100.00
340	0.00	140.35	-10.00	136.18	-10.00	100.00
345	0.00	139.28	-10.00	136.18	-10.00	100.00
350	0.00	137.73	-10.00	136.18	-10.00	100.00
355	0.00	135.77	-10.00	136.18	-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: November 30, 2017

Exhibit C

Ka-Band Earth Station – New York, NY

Frequency Coordination Report

28 GHz



Prepared on Behalf of
Boeing Commercial
Satellite Services, Inc

November 20, 2017



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1. Summary of Results

On behalf of Boeing Commercial Satellite Services, Inc, Comsearch performed a coordination notice for all existing and proposed terrestrial licenses within the coordination contours of their proposed Ka-Band earth station in New York, NY, which will transmit at 28 GHz¹. Prior-notification letters were sent to the licensees and a copy of the notification data is provided in section four of this report. The earth station coordination was finalized on November 17, 2017.

No objections were received from any of the incumbent 28 GHz licensees. Our notification to the LMDS incumbents was performed under the assumption that the earth station would be operating on a secondary basis to LMDS Block A operations and a contact at Boeing Commercial Satellite Services, Inc has been provided in case any concerns may arise in the future.

2. 28 GHz Common Carrier and LTTS Coordination

In accordance with FCC Rules and Regulations, the Ka-Band earth station in New York, NY was prior-coordinated by Comsearch. A notification letter and datasheets for this earth station were sent to the following 28 GHz common carrier fixed microwave licensees. This licensee is authorized to operate temporary fixed operations from 27.5 - 29.5 GHz on a nationwide basis.

Licensee	Authorized Geographic Area
Frontier Southwest Incorporated	Continental US
Verizon New Jersey Inc.	New Jersey

A notification letter and datasheets for the Ka-Band earth station in New York, NY were also sent to the following 28 GHz local television transmission licensee. This licensee is authorized to operate temporary fixed operations from 27.5 – 29.5 GHz on a nationwide basis.

Licensee	Authorized Geographic Area
Information Super Station, LLC	Continental US

No objections were received from the common carrier or local television transmission service incumbents.

¹ The proposed earth station will operate in the 29.0 – 29.1 GHz portion of the Ka-Band.

3. 28 GHz LMDS Coordination

A Notification letter was sent to the following 28 GHz LMDS licensees. The proposed earth station will operate on frequencies that overlap Block A of the LMDS service. The total frequency allocation for Block A of the LMDS spectrum appears below.

Block A: 27.500-28.350 GHz
29.100-29.250 GHz
31.075-31.225 GHz

Licensee	Market	Market Name
Nextlink Wireless	BTA318	New Haven-Waterbury-Meriden, CT
Nextlink Wireless	BTA321	New York, NY
Nextlink Wireless	BTA346	Philadelphia, PA-Wilmington, DE-Trenton, NJ
Verizon	BTA318 ²	New Haven-Waterbury-Meriden, CT
Verizon	BTA321 ³	New York, NY
Verizon	BTA346 ⁴	Philadelphia, PA-Wilmington, DE-Trenton, NJ

No objections were received from the LMDS incumbents.

² Leased access from Nextlink

³ Leased access from Nextlink

⁴ Leased access from Nextlink

4. Earth Station Coordination Data

This section presents the data pertinent to the proposed Ka-Band earth station in New York, NY. This data was circulated to all incumbent licensees in the shared 28 GHz frequency ranges.

Date: 11/08/2017
Job Number: 170922COMSGE02

Administrative Information

Status: ENGINEER PROPOSAL
Call Sign:
Licensee Code: S00114
Licensee Name: Boeing Company

Site Information NEW YORK, NY

Venue Name:
Latitude (NAD 83): 40° 45' 17.4" N
Longitude (NAD 83): 73° 58' 45.9" W
Climate Zone: A
Rain Zone: 2
Ground Elevation (AMSL): 19.17 m / 62.9 ft

Link Information

Satellite Type: Geostationary
Mode: TR - Transmit-Receive
Modulation: Digital
Satellite Arc: 55° W to 55° West Longitude
Azimuth Range: 152.2° to 152.2°
Corresponding Elevation Angles: 39.0° / 39.0°
Antenna Centerline (AGL): 302.67 m / 993.0 ft

Antenna Information

Manufacturer:
Model:
Gain / Diameter:
3-dB / 15-dB Beamwidth:

Receive - FCC32

Paradigm Communication
Connect 180
49.1 dBi / 1.8 m
0.62° / 1.24°

Transmit - FCC32

Paradigm Communication
Connect 180
52.5 dBi / 1.8 m
0.44° / 0.88°

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

-34.3
-10.3

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

18.2
42.2

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

-151.0 dBW/4 kHz 20%
-128.0 dBW/4 kHz 0.0025%

Frequency Information

Emission / Frequency Range (MHz): 36M0G7W / 19200.0 - 19300.0

Receive 18.0 GHz

Transmit 28.0 GHz

36M0G7W / 29000.0 - 29100.0

Max Great Circle Coordination Distance: 142.4 km / 88.5 mi
Precipitation Scatter Contour Radius: 100.0 km / 62.1 mi

100.0 km / 62.1 mi
100.0 km / 62.1 mi

Coordination Values		NEW YORK, NY			
Licensee Name		Boeing Company			
Latitude (NAD 83)		40° 45' 17.4" N			
Longitude (NAD 83)		73° 58' 45.9" W			
Ground Elevation (AMSL)		19.17 m / 62.9 ft			
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Antenna Model		Paradigm 1.8 meter			
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Interference Objectives: Long Term		-156.0 dBW/MHz	20%	-151.0 dBW/4 kHz	20%
Short Term		-146.0 dBW/MHz	0.01%	-128.0 dBW/4 kHz	0.0025%
Max Available RF Power		-34.3 (dBW/4 kHz)			

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 18.0 GHz		Transmit 28.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	133.44	-10.00	136.18	-10.00	100.00
5	0.00	130.80	-10.00	136.18	-10.00	100.00
10	0.00	127.89	-10.00	136.18	-10.00	100.00
15	0.00	124.78	-10.00	136.18	-10.00	100.00
20	0.00	121.48	-10.00	136.18	-10.00	100.00
25	0.00	118.04	-10.00	136.18	-10.00	100.00
30	0.00	114.48	-10.00	136.18	-10.00	100.00
35	0.00	110.82	-10.00	136.18	-10.00	100.00
40	0.00	107.09	-10.00	136.18	-10.00	100.00
45	0.00	103.30	-10.00	136.18	-10.00	100.00
50	0.00	99.47	-10.00	136.18	-10.00	100.00
55	0.00	95.61	-10.00	136.18	-10.00	100.00
60	0.00	91.73	-10.00	136.18	-10.00	100.00
65	0.00	87.84	-10.00	136.18	-10.00	100.00
70	0.00	83.96	-10.00	136.18	-10.00	100.00
75	0.00	80.10	-10.00	136.18	-10.00	100.00
80	0.00	76.27	-10.00	136.18	-10.00	100.00
85	0.00	72.49	-10.00	136.18	-10.00	100.00
90	0.00	68.77	-10.00	136.18	-10.00	100.00
95	0.00	65.12	-10.00	136.18	-10.00	100.00
100	0.00	61.57	-10.00	136.18	-10.00	100.00
105	0.00	58.14	-10.00	136.18	-10.00	100.00
110	0.00	54.87	-10.00	136.18	-10.00	100.00
115	0.00	51.77	-10.00	136.18	-10.00	100.00
120	0.00	48.90	-10.00	136.18	-10.00	100.00
125	0.00	46.29	-9.64	137.18	-9.64	100.00
130	0.00	44.00	-9.09	138.72	-9.09	100.00
135	0.00	42.08	-8.60	140.09	-8.60	100.00
140	0.00	40.58	-8.21	141.21	-8.21	100.00
145	0.00	39.56	-7.93	142.01	-7.93	100.00
150	0.00	39.06	-7.79	142.42	-7.79	100.00
155	0.00	39.09	-7.80	142.39	-7.80	100.00
160	0.00	39.65	-7.96	141.94	-7.96	100.00
165	0.00	40.72	-8.25	141.10	-8.25	100.00
170	0.00	42.27	-8.65	139.95	-8.65	100.00
175	0.00	44.23	-9.14	138.55	-9.14	100.00
180	0.00	46.56	-9.70	137.00	-9.70	100.00
185	0.00	49.20	-10.00	136.18	-10.00	100.00

Coordination Values		NEW YORK, NY			
Licensee Name		Boeing Company			
Latitude (NAD 83)		40° 45' 17.4" N			
Longitude (NAD 83)		73° 58' 45.9" W			
Ground Elevation (AMSL)		19.17 m / 62.9 ft			
Antenna Centerline (AGL)		302.67 m / 993.0 ft			
Antenna Model		Paradigm 1.8 meter			
Antenna Mode		Receive 18.0 GHz		Transmit 28.0 GHz	
Interference Objectives: Long Term		-156.0 dBW/MHz	20%	-151.0 dBW/4 kHz	20%
Short Term		-146.0 dBW/MHz	0.01%	-128.0 dBW/4 kHz	0.0025%
Max Available RF Power		-34.3 (dBW/4 kHz)			

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 18.0 GHz		Transmit 28.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	52.11	-10.00	136.18	-10.00	100.00
195	0.00	55.22	-10.00	136.18	-10.00	100.00
200	0.00	58.52	-10.00	136.18	-10.00	100.00
205	0.00	61.96	-10.00	136.18	-10.00	100.00
210	0.00	65.52	-10.00	136.18	-10.00	100.00
215	0.00	69.18	-10.00	136.18	-10.00	100.00
220	0.00	72.91	-10.00	136.18	-10.00	100.00
225	0.00	76.70	-10.00	136.18	-10.00	100.00
230	0.00	80.53	-10.00	136.18	-10.00	100.00
235	0.00	84.39	-10.00	136.18	-10.00	100.00
240	0.00	88.27	-10.00	136.18	-10.00	100.00
245	0.00	92.16	-10.00	136.18	-10.00	100.00
250	0.00	96.04	-10.00	136.18	-10.00	100.00
255	0.00	99.90	-10.00	136.18	-10.00	100.00
260	0.00	103.73	-10.00	136.18	-10.00	100.00
265	0.00	107.51	-10.00	136.18	-10.00	100.00
270	0.00	111.23	-10.00	136.18	-10.00	100.00
275	0.00	114.88	-10.00	136.18	-10.00	100.00
280	0.00	118.43	-10.00	136.18	-10.00	100.00
285	0.00	121.86	-10.00	136.18	-10.00	100.00
290	0.00	125.13	-10.00	136.18	-10.00	100.00
295	0.00	128.23	-10.00	136.18	-10.00	100.00
300	0.00	131.10	-10.00	136.18	-10.00	100.00
305	0.00	133.71	-10.00	136.18	-10.00	100.00
310	0.00	136.00	-10.00	136.18	-10.00	100.00
315	0.00	137.92	-10.00	136.18	-10.00	100.00
320	0.00	139.42	-10.00	136.18	-10.00	100.00
325	0.00	140.44	-10.00	136.18	-10.00	100.00
330	0.00	140.94	-10.00	136.18	-10.00	100.00
335	0.00	140.91	-10.00	136.18	-10.00	100.00
340	0.00	140.35	-10.00	136.18	-10.00	100.00
345	0.00	139.28	-10.00	136.18	-10.00	100.00
350	0.00	137.73	-10.00	136.18	-10.00	100.00
355	0.00	135.77	-10.00	136.18	-10.00	100.00

5. Contact Information

For questions or information regarding the 28 GHz Frequency Coordination Report, please contact:

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