CITY OF BURBANK

COMMUNITY DEVELOPMENT

October 22, 2024

MAXIMIZE ENGINEERING GROUP
C/O ROBERT MCCORMICK III
2666 W. 235TH STREET, STE B
TORRANCE, CA 90505

RE: Project No. 23-0005597 – Administrative Use Permit
Located at 755 North Whitnall Highway
Notice of Decision: Approval

Dear Mr. McCormick:

This letter is to notify you that the Community Development Director has approved your application for an Administrative Use Permit (Project No. 23-0005597) to install a new unmanned roof-mounted Wireless Telecommunications Facility (WTF) with six (6) antennas to be located within a 9' – 9" vertical fiber-reinforced plastic (FRP) addition to the church tower, ancillary equipment located within the existing 2nd story of the existing commercial (church) structure, and fiber and power cables connecting the WTF to the existing public utility pole located in the adjacent alley to the southwest of the site, and a new three-phase transformer at 755 North Whitnall Highway within the C-3 (General Commercial Business) zone. Enclosed is the Administrative Use Permit (AUP) approval with conditions.

Please be advised that the decision of the Community Development Director will become final fifteen (15) days from the date of this letter unless the decision is appealed to the Planning Commission within 15 days. Any appeal of the Director's decision must be submitted to the Planning Division with the applicable filing fee prior to the expiration of the fifteen (15) day appeal period, or by 5:00 p.m. on November 6, 2024. Please note, any appeal filed between the hours of 12 and 5 p.m. requires an appointment to be scheduled with the Project Planner.

If you have any questions concerning this letter, please call me at (818) 238-5250 or email me at shrynik@burbankca.gov.

Sincerely,

SARA HRYNIK
Assistant Planner
Community Development Department

Community Development Department Director's Decision

DATE: October 22, 2024

PROJECT TITLE: Project No. 23-0005597 – Administrative Use Permit

PROJECT ADDRESS: 755 North Whitnall Highway

APPLICANT: Robert McCormick III of Maximize Engineering Group on behalf of DISH Wireless

PROJECT DESCRIPTION: The proposed Project includes the installation of a new unmanned Wireless Telecommunications Facility (WTF) within a 9'-9" vertical addition to the existing church tower above the existing commercial (church) building at 755 North Whitnall Highway, for a total height of 43' – 0". The vertical addition will be constructed of a fiberglass reinforced-plastic (FRP) enclosure painted to match the color and texture of the existing stone finish to maintain the appearance of the church steeple and provide 360-degree screening from public view. The facility will include a total of six antennas distributed between three sectors within the vertical addition, with accessory equipment, including a fiber enclosure and an equipment cabinet, to be located within the existing commercial (church) building in a second-floor storage and equipment room. Additionally, there will be fiber and power cables along the roof that will connect to a new three-phase transformer attached to the existing public utilities pole located in an adjacent alley to the southwest of the Project site. The applicant has submitted verification that shows the proposed WTF project is in compliance with the Federal Communications Commission (FCC) regulations regarding radio frequency emissions in the information submitted with the application.

ZONING: C-3 **GENERAL PLAN:** Corridor Commercial

MUNICIPAL CODE CONFORMANCE: The Project conforms to all applicable code requirements per Burbank Municipal Code (BMC) Section 10-1118 for roof-mounted wireless facilities, including an integrated, stealth design that compliments the existing building design and limits the visibility of the equipment. Additionally, the facility is within the maximum 15'-0" height limit above the existing roof (at 9'-9" in height). A code compliance matrix summarizing how this Project meets the applicable BMC developments standards is included as Attachment B.

ENVIRONMENTAL REVIEW: The Project is exempt from environmental review per Section 15301(e) of the California Environmental Quality Act (CEQA) Guidelines pertaining to an addition to an existing structure to accommodate the installation of wireless transmission antennas and support equipment. There are no unusual circumstances that would preclude the use of this exemption. None of the Exceptions to the Categorical Exemptions listed in CEQA Guidelines Section 15300.2 apply to this Project. The Project is not located in a sensitive, designated, or precisely mapped environmental resource area; and the Project is not a historical resource or located within or near a scenic highway. Furthermore, the Project is not a mapped hazardous waste site and is not expected to have a significant effect on the environment due to any unusual circumstances.

DATE SIGN POSTED ON-SITE: August 26, 2024

DATE PUBLIC NOTICE MAILED: September 13, 2024

DATE OF DIRECTOR'S DECISION: October 22, 2024

END OF APPEAL PERIOD: November 6, 2024

Sara Hrynik, Assistant Planner
Planning Division (818) 238-5250

FOR

Patrick Prescott
Community Development Director

ADMINISTRATIVE USE PERMIT NO. 23-0005597
(755 North Whitnall Hwy – Robert McCormick III for Dish Wireless, Applicant)

REQUIREMENTS FOR GRANTING AN ADMINISTRATIVE USE PERMIT

The Community Development Director finds the proposed Project satisfies the requisite findings contained in Burbank Municipal Code (BMC) Section 10-1-1956 necessary for approval of the Administrative Use Permit (AUP), subject to the attached conditions of approval.

(1) *The use applied for at the location set forth in the application is properly one for which an administrative use permit is authorized by Title 10 of the Burbank Municipal Code.*

Per BMC Table 10-1-1118(C), a new Wireless Telecommunications Facility (WTF) use in a non-residential zoning district, including the C-3 (General Commercial Business) zone applied to the subject property, requires an Administrative Use Permit (AUP) if proposed within 150 feet of a residential zone. As the subject property is within 150 feet of R-1 (Single-Family Residential) zoned properties, the BMC permits this WTF use with approval of an AUP, thus this finding can be made.

(2) *The use is not detrimental to existing uses or to uses specifically permitted in the zone in which the proposed use is to be located.*

Operation of the proposed WTF at the Project site will not interfere with or be detrimental to nearby permitted uses in the C-3 zone, identified in the City of Burbank Use List (BMC Section 10-1-502), or the existing uses that include professional offices, schools, and other commercial uses, as the WTF will be located and operating between 36' – 0" and 43' – 0" above grade, higher than the surrounding uses, and will not impact parking, access to buildings, or pedestrian/vehicle circulation. The proposed design of the facility includes an architecturally integrated 9' – 9" vertical addition to an existing church tower that is complementary to the design of the existing larger church building, consistent with the design requirements per BMC Section 10-1-1118(D)(3)(b) and will not result in a visual or aesthetic impact on the surrounding commercial and residential uses.

The applicant has also indicated that the operation of the WTF will not generate noise exceeding city regulations, or generate traffic, waste, or other adverse impacts in excess of what is typical of commercial and industrial uses permitted in the C-3 zone. A noise study prepared by an independent third-party, included in the Supplemental Wireless Application (Attachment C, pages 74-83), states that the maximum noise level from the proposed equipment that can be heard by any residential property in the vicinity of the Project site as modeled is 32.49 dBA[1], which is below the City's most restrictive allowable noise generation level of 45 dBA, the maximum level of noise allowable at night (between the hours of 10:00) P.M. until seven o'clock 7:00) A.M.) in residential zones.

[1] Supplemental Wireless Application, Exhibit 10.01, pp 74-83. Noise Study Compliance Report for proposed Project at 755 N Whitnall Hwy, prepared by GenTech LLC.

Public comments were submitted for the Project regarding potential detrimental health and safety impacts from radio frequency (RF) emissions from the facility. Local governments are precluded from considering the health effects of RF transmissions from a WTF pursuant to Federal regulations. The Federal Telecommunications Act of 1996 expressly preempts any state or local government regulation on the placement, construction, and modification or personal wireless service facilities based on environmental effects of RF emissions to the extent that such facilities comply with the FCC's regulations concerning such emissions (47 U.S.C. Section 332(c)(7)(B)(iv).

In addition to compliance with all objective development standards per BMC Section 10-1-1118 (summary compliance matrix included as Attachment B), all WTFs must provide verification of compliance with the Federal Communications Commission (FCC) guidelines on RF emissions as part of the application submittal requirements. The Applicant provided this information as part of the completed "WTF Supplemental Application Form", including Exhibit 3.15 of the supplemental application, which provides a statement on the RF emissions of the proposed Project. As required for all WTF applications, the Applicant submitted a supplemental Radio Frequency-Electromagnetic Energy (RF-EME) compliance report prepared by an independent third-party included in the Supplemental Wireless Application (Attachment C, pages 37-59), detailing worst-case predictive modeling that indicates that the proposed antennas at the Alpha, Beta, and Gamma sectors may exceed the FCC's "General Public" Maximum Permissible Exposure (MPE) limits within approximately sixty-seven (67) feet from the antenna face at the antenna level. As there are no structures within sixty-seven feet at the same height as the proposed antennas, with the lowest point of the antennas at 37' – 0" above grade, the areas within such close range of the proposed antennas are not within the public vicinity and are not accessible to the public. At the ground level, the MPE limits are not exceeded, and worst-case predictive modeling shows the MPE would be limited to 7.83 percent of the FCC's public limit and 1.56 percent of the FCC's occupational limit[2]. The RF-EME report includes safety and site control measures, such as installing caution signs to ensure disclosure of occupational health and safety information for facility maintenance personnel and physical barriers in proximity to the equipment. Staff has incorporated these recommendations, into the Conditions of Approval. Further, the Applicant is required to maintain and demonstrate proper licensing for this facility on an annual basis and this requirement has been reinforced in the Conditions of Approval. As the proposed Project and WTF use is not detrimental to existing or allowed uses in the C-3 zone, this finding can be made.

(3) *The use will be compatible with other uses on the same lot, and in the general area in which the use is proposed to be located.*

The proposed WTF use is compatible with the commercial uses on the Project site and the commercial in the surrounding area as well as the surrounding residential uses. The WTF is commercial in nature and will operate in a manner like other commercial equipment such as equipment generators, broadcast or radio equipment, and emergency wireless transmitters that may be found at other commercial businesses in the general area and will be providing vital

[2] Supplemental Wireless Application, Exhibit 3.15-A, pp37-59. Radio Frequency – Electromagnetic Energy (RF-EME) Compliance Report for proposed Project at 755 N Whitnall Hwy, prepared by EBI Consulting

telecommunications and data transfer for the public. As the proposed WTF use will be unmanned, it will operate with minimal intervention and will have no impact on the ability of other uses in the surrounding area to operate.

Furthermore, the proposed WTF will be concealed from public view so that it is visually compatible with and integrated into the architectural design of the existing church building. Utilizing stealth design, the proposed facility will be compatible with the surrounding commercial buildings generally seen in the C-3 zone and will have no detrimental visual impact on the surrounding area. As the proposed WTF use will be compatible with the commercial uses on the same lot and with the mixed-use commercial-residential nature of the general area, this finding can be made.

(4) *The site for the proposed use is adequate in size and shape to accommodate the use and all of the yards, setbacks, walls, fences, landscaping, and other features required to adjust the use to the existing or future uses permitted in the neighborhood.*

The Project site is an irregular kite-shaped corner parcel measuring approximately 24,280 square feet (.556 acre) in size, bound by a public alley to the south (rear) and three street frontages: North Whitnall Highway to the northeast, West Clark Avenue the north, and North Screenland Drive to the west. The Project site currently is improved with landscaping, a surface parking lot, and two commercial structures used as a church and a school, that currently cover approximately 50% of the Project site. The proposed WTF will be located within a 9' – 9" vertical addition to the existing 33' – 3" high, 11' – 4" wide and 14' – 0" deep rectangularly-shaped church tower and will not be increasing the lot coverage. The vertical addition will be constructed of fiber-reinforced plastic (FRP) and will be architecturally integrated with a color and texture that matches the exterior finish of the existing church tower and as such, there is no additional setback from the face of the existing church tower in order to maintain the stealth design. No on-site ancillary equipment other than aerial-run fiber and power cables will be located to the exterior of the existing church building. There are no other site alterations, such as fencing, landscaping, or structure setbacks, required for the Project site to support the proposed WTF.

The Project site is zoned C-3 (General Commercial Business) for which the Burbank Municipal Code (BMC) development standards limit heights of structures depending on the distance to residentially zoned property. The Project site is within fifty to one hundred fifty linear feet of residentially zoned properties and pursuant to BMC Section 10-1-718(A) the height is limited to 35'-0" above grade with an additional 15'-0" vertical feet of height permitted if the structure is designed with a forty-five-degree angle to create a stepback. However, this development standard is superseded by the WTF development standard specified in BMC Section 10-1-1118(D)(4)(a), which allows new building mounted WTFs, including screening devices such as the proposed vertical FRP addition to the church tower, to be a maximum of 15'-0" vertical feet above the existing roof of the building on which it is mounted, without requiring a forty-five-degree angled stepback. The top of the existing church tower currently measures 33'-3" as measured from grade, and the Project complies with the height limit as it proposes only 9'-9" of additional height.

The site is adequate in size and shape to accommodate the proposed use, and the proposed WTF complies with the development standards including height atop of an existing roof required for new building-mounted WTF installations as well as all other applicable federal, state, and local regulations. Therefore, this finding can be made.

(5) *The site for the proposed use relates to streets and highways properly designed and improved to carry the type and quantity of traffic generated or to be generated by the proposed use.*

The Project site has three street frontages: North Whitnall Highway and West Clark Avenue, both providing street parking to the Project site, and North Screenland Drive, which provides access to the on-site surface parking lot in addition to street parking. The quantity and type of traffic generated by the installation of an unmanned roof-mounted wireless telecommunication facility will be limited to occasional service-related visits consistent with traffic generated by other commercial equipment maintenance and repair businesses found in a commercial zone and will not exceed the parking demand of the available spaces. Therefore, the site and the existing street network can accommodate the minimal traffic generated by the Project and this finding is satisfied.

(6) *The conditions imposed are necessary to protect the public health, convenience, safety, and welfare.*

The proposed Project was reviewed by the Public Works Department, Burbank Fire Department, Burbank Water and Power Department – Water Division, as well as the Planning and the Building and Safety Divisions of the Community Development Department. The various departments provided standard conditions of approval to ensure the protection of the public health, convenience, safety, and welfare of the community are maintained during construction of the Project and throughout the operational life of the Project.

In addition, as mentioned in the findings above, Planning Division conditions of approval specific to the Project have been imposed to address safety and public health concerns. These conditions include requiring a sign in a visible location identifying the contact information of the responsible party in case of an emergency; and requiring the Applicant, within 30 days following the activation of the facility, to provide a radio frequency emissions compliance certifying the unit has been inspected and tested. Further, the conditions impose the measures required for the Project comply with applicable FCC RF regulations. These conditions will ensure the public health, convenience, safety, and welfare of the community are maintained throughout the operational life of the WTF. Therefore this finding has been satisfied.

CONDITIONS OF APPROVAL

ADMINISTRATIVE USE PERMIT NO. 23-0005597
(755 North Whitnall Hwy – Robert McCormick III for Dish Wireless, Applicant)

CDD – PLANNING DIVISION

1. Project No. 23-0005597, Administrative Use Permit, approves installation of a new unmanned roof-mounted Wireless Telecommunication Facility with six panel antennas located within a new 9'-9" vertical RFP addition to the church tower with accessory equipment located within the existing commercial (church) building located at 755 North Whitnall Highway, as shown on the set of approved plans (Attachment A).

2. The operation/construction on site shall remain in substantial conformance with the approved plans (Attachment A) and the development standards contained in the Burbank Municipal Code (BMC) for wireless facilities (Attachment B). Any modifications to the design of the facility requires review and approval by the Planning Division and may require modifications to this Administrative Use Permit.

3. The applicant shall comply with all federal, state, and local laws. Violation or conviction of any of those laws in connection with the use will be cause for revocation of this permit.

4. The approved wireless facility must comply with all standards and regulations of the Federal Communications Commission (FCC), and any other agency of the State or Federal government agency with the authority to regulate wireless telecommunication facilities.

5. Per BMC Section 10-1-1118(D)(3)(e), all cable trays and cable runs for building-mounted wireless facilities shall be located within existing building walls. Any accessory equipment and components of the new wireless facility mounted to the building roof or exterior shall be coated or painted to match the existing building and mounted as close to the façade surface as possible.

6. Per BMC Section 10-1-1118(D)(3)(i)(1), all wireless facilities are required to post a sign in a readily visible location identifying the name and phone number of a party to contact in the event of an emergency. The location of this sign must be identified in building plans submitted for Building Plan Check review.

7. Within 30 calendar days following the activation of the facility, the applicant shall provide an updated radio frequency emissions compliance report to the Community Development Director certifying that the unit has been inspected and tested in compliance with FCC standards. The report shall include all information outlined in BMC Section 10-1-1118(E)(1).

8. The applicant shall install caution signs at each access point to the rooftop and behind the antenna sectors, as recommended by Appendix B of the Radio Frequency

Electromagnetic Energy Compliance Report (Attachment C).

9. Every 5 years on the effective date of this approval, the applicant shall, at the owner's sole cost, prepare and submit to the City an independently prepared updated radio frequency emissions compliance report and certification, and shall certify that the facility complies with all applicable FCC standards as of the date of the update. If the radio frequency emissions compliance report and certification demonstrate that the cumulative levels of radio frequency emissions exceed FCC standards, the Director may require the applicant to modify the location or design of the facility and/or implement other mitigation measures to ensure compliance with the FCC standards.

10. Eligible Facilities Requests that do not require a "Substantial Change in Physical Dimensions" shall be processed in accordance with 47 U.S.C. Section 1455, and any duly authorized implementing orders and regulations of the Federal Communication Commission. In reviewing permits for qualifying Eligible Facilities Requests, the Community Development Director shall be required to approve applications but shall retain discretion to enforce and condition approval on compliance with generally applicable building, structural, electrical, and safety codes and with other laws codifying objective standards reasonably related to health and safety.

11. Within 30 days after discontinuation of the use, the wireless telecommunication provider (applicant) shall notify the Community Development Director in writing that use of the facility has been discontinued. The wireless telecommunications provider must completely remove the approved facility, and the site shall be returned to its pre-facility condition within 180 days of discontinuation of use.

12. Should the applicant violate any of the conditions of this approval, this permit may be modified or revoked by the City.

13. The applicant shall incorporate this decision letter and conditions of approval into the Building Permit plan sets and provide a written response to how, or where, each condition of approval has been addressed in the building permit plans, providing the same number of copies of the written response as plans required by the Building Division for Plan Check review.

14. By signing and/or using this Administrative Use Permit, the permittee acknowledges all the conditions imposed and accepts this permit subject to those conditions and with full awareness of the provisions of the BMC. Failure of the permittee or property owners to sign these conditions does not affect their enforceability by the City of other responsible entity. These conditions are binding upon all future property owners and occupants of the subject property.

15. This permit approval shall expire if the use is not initiated within one year of the date of this approval (October 22, 2025) with issuance of a Building Permit. Per BMC Section 10-1-1118(C)(4), Administrative Use Permits for WTFs shall expire after 10 years. The applicant may reapply for a new Administrative Use Permit as required by this Article to

continue to use and operate the existing facility, but may, upon review, be required to upgrade it to comply with such additional standards, and incorporate such additional technologies, as the City may lawfully impose through its evaluation and approval of such re-application.

CDD – BUILDING DIVISION

16. All projects shall comply with Title 9, Chapter 1, of the Burbank Municipal Code, and the **2022 edition** of the California Building Code, California Residential Code, California Electrical Code, California Mechanical Code, California Plumbing Code, California Green Building Standards and Building Energy Efficiency Standards, including all intervening Code Cycles.

17. Plans and reports submitted for Plan Check Review are to be submitted electronically. For more information about the online submittal process, please contact the Building Division at 818-238-5220 or via email at eplancheck@burbankca.gov.

18. All conditions of approval are to be reproduced on the construction document drawings as part of the Approved Construction Set.

19. All Departments that have provide Conditions of Approval are to review drawings and provide final approval via online electronic review, prior to issuance of Building Permit.

20. Business Tax should be updated to reflect change in business type.

21. Separate Permits will be required for the following:
    a. Demolition
    b. Grading & Shoring
    c. Architectural & Structural
    d. Mechanical
    e. Plumbing
    f. Electrical

22. The property shall comply with accessibility requirements for the various occupancies as stated in California Building Code Chapter 11.

23. Construction projects must comply with Best Management Practices for construction and stormwater runoff requirements of the National Pollutant Discharge Elimination System MS4 Permit.

24. The City's mandatory Construction & Demolition Debris Diversion Ordinance requires the recycling and diversion of at least 65% of construction and demolition debris. A refundable deposit and non-refundable administrative fee will be collected prior to permit issuance. The Ordinance applies to all demolitions and to new construction, additions, remodels, renovation, tenant improvement and alteration projects over 500 square feet in scope of work.

25. Approved hours of construction are:
    Monday – Friday 7:00 am to 7:00 pm
    Saturday 8:00 am to 5:00 pm
    No construction is permitted by contractors or subcontractors after hours, on Sunday or on City holidays without prior written request and approval from the Community Development Department.

26. Deferral of any submittal items shall have prior approval of building official. The registered design professional in responsible charge shall list the deferred submittals on construction documents for review.

PUBLIC WORKS DEPARTMENT

Land Development & Permits – General Requirements:

27. No Structure is permitted in any public, right-of-way, or any public utility easements/ pole line easements [BMC 7-3-701.1, BMC 9-1-1-3203]

28. Applicant shall protect in place all survey monuments (City, County, State, Federal, and private). Pursuant to California Business Profession Code Section 8771, when monuments exist that may be affected by the work, the monuments shall be located and referenced by or under the direction of a licensed land surveyor or licensed civil engineer legally authorized to practice land surveying, prior to construction, and a corner record or record of survey of the references shall be filled with the county surveyor. A permanent monument shall be reset, or a witness monument or monuments set to perpetuate the location if any monument that could be affected, and a corner record or record of survey shall be filled with the county surveyor prior to then recording of a certificate of completion for the Project.

29. Any works within the public right-of-way must be permitted and approved by the Public Works Department before construction can commence. All construction work in the public right-of-way must comply with Burbank Standard Plans and must be constructed to the satisfaction of the City Engineer.

30. A Public Works EXCAVATION PERMIT is required. The excavation permit requires a deposit acceptable to the Public Works Director to guarantee timely construction of all off-stie improvements. Burbank Standard Plans can be access at; http://file.burbankca.gov/publicworks/OnlineCounter/main/index.htm

The following must be completed prior to issuance of a Building Permit:

31. A Public Works "Right-of-Way Protection" Permit is required.

32. No construction material shall be placed within the public right-of-way without a “Street Use” Permit issued by the Public Works Department.

Additional Comments:

33. If any utility cuts or construction related impacts are made on N. Whitnall Highway or made within the alley adjacent to the property, applicant will have to restore the street fronting the property per City of Burbank paving requirements.

Water Reclamation and Sewer – Stormwater Requirements:

34. Best Management Practices shall apply to all construction projects and shall be required from the time of land clearing, demolition, or commencement of construction until receipt of a certificate of occupancy [BMC 9-3-407].

BURBANK WATER & POWER – ELECTRICAL DIVISION

35. BWP will not provide an additional aerial electric service drop for the project. The contractor will be responsible for upgrading the existing electrical service at the property and consolidating all services into a centralized metering area. Therefore, the applicant needs to contact the BWP Commercial Service Planner at (818) 238-3565 to discuss service options and requirements. At that time, the applicant should provide the necessary electrical information regarding the proposed new electric load and new service configuration.

BURBANK FIRE DEPARTMENT

36. While there are no significant fire code requirements for this project, the owner and the owner's architect and/or contractor are responsible for ensuring compliance with all applicable provisions of fire life/safety codes. Failure to cite a specific code requirement in this preliminary document does not relieve the applicant of such responsibility.

X _____ X _____

Signature of Applicant/Permittee Signature of Property Owner

ATTACHMENT A

APPROVED WTF PROJECT PLANS

dish wireless™

DISH Wireless L.L.C. SITE ID:

LALAX04490A

American Lutheran Church - Burbank

DISH Wireless L.L.C. SITE ADDRESS:

755 N. WHITNALL HWY
BURBANK, CA 91505

SCOPE OF WORK

THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:

TOWER SCOPE OF WORK: CHURCH STEEPLE
- INSTALL (6) PROPOSED PANEL ANTENNAS (2 PER SECTOR)
- INSTALL (6) PROPOSED ANTENNA MOUNTS (2 PER SECTOR)
- INSTALL PROPOSED JUMPERS
- INSTALL (12) PROPOSED RRUs (4 PER SECTOR)
- INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP)
- INSTALL (1) PROPOSED HYBRID CABLE
- INSTALL (1) PROPOSED GPS UNIT

GROUND SCOPE OF WORK: LEASE AREA
- INSTALL (4) PROPOSED UNISTRUT
- INSTALL (1) PROPOSED EQUIPMENT CABINET
- INSTALL (1) PROPOSED POWER PROTECTIVE CABINET
- INSTALL (1) PROPOSED POWER CONDUIT
- INSTALL (1) PROPOSED TELCO CONDUIT
- INSTALL (1) PROPOSED TELCO-FIBER ENCLOSURE
- INSTALL (1) PROPOSED FIBER NID ENCLOSURE
- INSTALL (1) PROPOSED 1.5-TON MINI SPLIT AC

GROUND SCOPE OF WORK: TELCO ROOM
- INSTALL (1) PROPOSED METER
- INSTALL (1) PROPOSED SAFTEY SWITCH
- INSTALL (1) PROPOSED GENERATOR INTERFACE

SITE INFORMATION

PROPERTY OWNER:	AMERICAN LUTHERN CHURCH
ADDRESS:	ERICA L. HAUCK: PRESIDENT 755 N. WHITNALL HIGHWAY BURBANK, CA 91505-2994
TOWER TYPE:	CHURCH STEEPLE
TOWER CO SITE ID:	NA
TOWER APP NUMBER:	NA
COUNTY:	LOS ANGELES
LATITUDE (NAD 83):	34° 09' 50.14" N 34.164003° N
LONGITUDE (NAD 83):	118° 20' 44.30" W -118.345639° W
ZONING JURISDICTION:	CITY OF BURBANK
ZONING DISTRICT:	C-3 (COMMERCIAL GENERAL BUSINESS)
PARCEL NUMBER:	2480-014-001
OCCUPANCY GROUP:	A-3
CONSTRUCTION TYPE:	V-B
POWER COMPANY:	CITY OF BURBANK POWER & WATER
TELEPHONE COMPANY:	TBD

PROJECT DIRECTORY

APPLICANT:	DISH Wireless L.L.C. 5701 SOUTH SANTA FE DRIVE LITTLETON,CO 80120
TOWER OWNER:	AMERICAN LUTHERN CHURCH ERICA L. HAUCK: PRESIDENT 755 N.WHITNALL HIGHWAY BURBANK, CA 91505-2994
SITE DESIGNER:	MAXIMIZE ENGINEERING GROUP 325 W.HOSPITALITY LANE SUITE 206 SAN BERNARDINO,CA 92408
SITE ACQUISITION:	MAXIMIZE ENGINEERING GROUP 325 W.HOSPITALITY LANE SUITE 206 SAN BERNARDINO,CA 92408 CONTACT:LUZINE RAWLS PHONE:(909)361-0650
CONSTRUCTION MANAGER:	FRANCISCO.ZAPIEN@DISH.COM DISH WIRELESS
RF ENGINEER:	HARSHAD DIGHE HARSHAD1.DIGHE@DISH.COM (561) 212-2881

CALIFORNIA - LA COUNTY CODE OF COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES

CODE TYPE	CODE
BUILDING	2020 LA COUNTY BUILDING CODE CODE (2019 CBC/2018 IBC)
MECHANICAL	2020 LA COUNTY MECHANICAL CODE (2019 CMC/2018 UMC)
ELECTRICAL	2020 LA COUNTY ELECTRICAL CODE (2019 CEC/2017 NEC)

SITE PHOTO

DIRECTIONS

DIRECTIONS FROM DISH Wireless L.L.C. OFFICE:

HEAD NORTHWEST TOWARD ARMSTRONG AVE. TURN RIGHT ONTO ARMSTRONG AVE, TURN LEFT ONTO BARRANCA PKWY. CONTINUE ONTO E DYER RD. USE THE RIGHT LANE TO MERGE ONTO CA-55 N/STATE RTE 55 N VIA THE RAMP TO RIVERSIDE.MERGE ONTO CA-55N/STATE RTE 55N. TAKE EXIT 10B TO MERGE ONTO 1-5 N TOWARD SANTA ANA. KEEP LEFT TO STAY ON 1-5 N. KEEP RIGHT AT THE WORK TO STAY ON 1-5 N.FOLLOW SIGNS FOR INTERSTATE 5 N/SACRAMENTO. TAKE EXIT 144B TO MERGE ONTO CA-134 W/VENTURA FWY TOWARD VENTURA. TAKE EXIT 2 TOWARD HOLLYWOOD WAY.USE THE LEFT 2 LANES TO TURN LEFT ONTO W ALAMEDA AVE.TURN RIGHT ONTO N HOLLYWOOD WAY.TURN LEFT ONTO W CLARK AVE.TURN LEFT ONTO N SCREENLAND DR.SITE WILL BE ON THE LEFT.

SHEET INDEX

SHEET NO.	SHEET TITLE
T-1	TITLE SHEET
LS-1	SITE SURVEY
1-A	1-A ACCURACY CERTIFICATION
A-1	OVERALL SITE PLAN
A-2	ENLARGED SITE PLAN
A-3	ANTENNA PLAN AND SCHEDULE
A-4	NORTHEAST AND SOUTHWEST ELEVATIONS
A-5	NORTHWEST AND SOUTHEAST ELEVATIONS
A-6	EQUIPMENT LAYOUT AND EQUIPMENT ELEVATION

UNDERGROUND SERVICE ALERT
UTILITY NOTIFICATION CENTER OF CALIFORNIA
(800) 422-4133
WWW.CALIFORNIA811.ORG
CALL 2-14 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

VICINITY MAP

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

dish wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

MAXIMIZE ENGINEERING GROUP

325 W. Hospitality Lane, Suite 206
San Bernardino, CA 92408

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DRAWN BY:	CHECKED BY:	APPROVED BY:
RB	SH	SC

RFDS REV #: ---

ZONING DOCUMENTS

SUBMITTALS

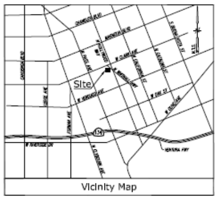
REV	DATE	DESCRIPTION
A	[illegible]	ISSUED FOR REVIEW
[illegible]	[illegible]	[illegible]

A&E PROJECT NUMBER
LALAX04490A

DISH Wireless L.L.C.
PROJECT INFORMATION
LALAX04490A
755 N. WHITNALL HWY
BURBANK, CA 91505

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1



Title Report

Legal Description

PARCEL 1

Assessor's Parcel No.

Easements

Utility Route

AS SHOWN

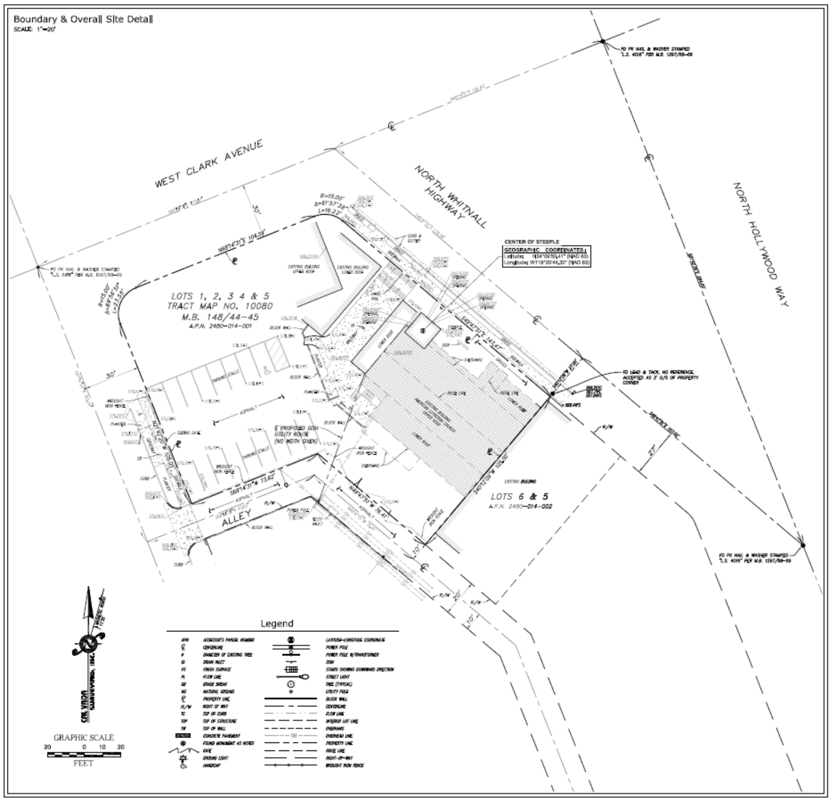
Geographic Coordinates at Center of Steeple

Basis of Bearings

Benchmark

Date of Survey

JUNE 29, 2023



MAXIMIZE
COMMUNICATION GROUP, INC.

A&E DEVELOPMENT

dish

CONSULTANTS

CAL VADA
SURVEYING, INC.

JOB NO. 23435

LICENSURE

REVISIONS

REVISION	DATE / BY	DESCRIPTION
	07/17/23	SUBMITTAL
	DV	
1	08/04/23	TITLE REPORT
	RS	
2	08/24/23	UPDATED DESIGN FINAL
	GBM	

SITE INFORMATION

LALAX04490A

755 N. WHITNALL HWY.
BURBANK, CA 91505
LOS ANGELES COUNTY

SHEET TITLE

TOPOGRAPHIC SURVEY

SHEET NUMBER

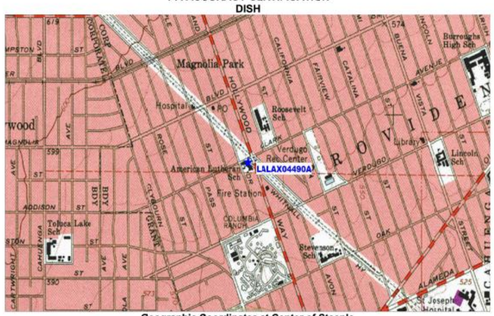
LS-1

SHEET 1 OF 1

ATTACHMENT A - 2

CAL VADA
SURVEYING INC

1-A ACCURACY CERTIFICATION
DISH



Geographic Coordinates at Center of Steeple
(NAD 83)

LATITUDE:	34°09' 50.41" N	(34.164003 DD)
LONGITUDE:	118°20' 44.30" W	(-118.345639 DD)

Elevations (NAVD 88)

Ground Elevation at Existing Building Church	570.3 Feet A.M.S.L. (± 570'-4")
Top of Existing Building Church	29.3 Feet A.G.L. (± 29'-4")
Top of Existing Steeple	33.3 Feet A.G.L. (± 33'-4")
Overall Height: Top of Proposed Screen Wall	43.1 Feet A.G.L. (± 43'-1")

Site No:	LALAX04490A
Site Address:	755 N. Whitnall Hwy., Burbank, CA 91505
	Los Angeles County
Survey Date:	June 29, 2023
Data Source:	The Smartnet North America C.O.R.S. "CAVN"

LICENSED LAND SURVEYOR
Armando D. DuPont
L.S. 7780
08/24/2023
STATE OF CALIFORNIA

I hereby certify that the **latitude** and **longitude** shown above are accurate to within +/- 20 feet horizontally and that the **elevation** shown above are accurate to within +/- 3 feet vertically. The horizontal datum (Geographic Coordinates) is in terms of the North American Datum of 1983 (NAD 83) and is expressed in degrees (°), minutes (') and seconds ("), to the nearest hundredth of a second. The vertical datum (Elevations) is in terms of the North American Vertical Datum of 1988 (NAVD 88) and is determined to the nearest tenth of a foot.

Note: DD indicates Decimal Degrees.

Job No. 23435-R1
08/24/2023 GBM

Los Angeles 411 Jenks Circle, Suite 205, Corona, CA 92880 Phone (951) 280-9960 Fax (951) 280-9746

dish wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

MAXIMIZE
ENGINEERING GROUP

325 W. Hospitality Lane, Suite 206
San Bernardino, CA 92408

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DRAWN BY:	CHECKED BY:	APPROVED BY:
RB	SH	SC

RFDS REV #: ---

ZONING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	07/30/2023	ISSUED FOR REVIEW
B	08/24/2023	100% ZD

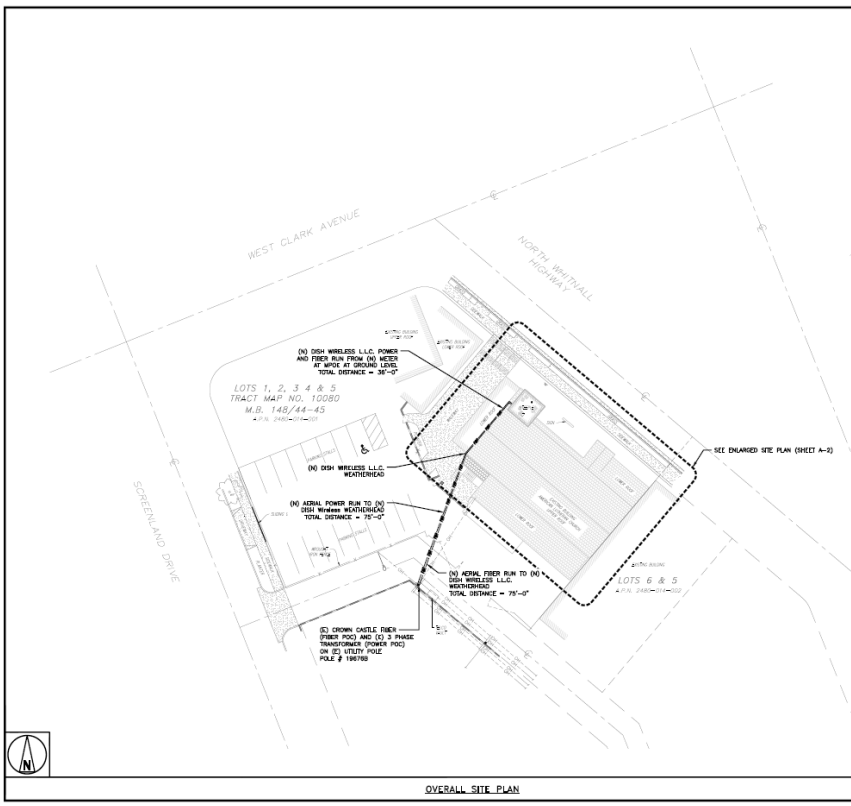
A&E PROJECT NUMBER
LALAX04490A

DISH Wireless L.L.C.
PROJECT INFORMATION
LALAX04490A
755 N. WHITNALL HWY
BURBANK, CA 91505

SHEET TITLE
1-A
ACCURACY CERTIFICATE

SHEET NUMBER
1-A

ATTACHMENT A - 3



NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR TO DO A UTILITY LOCATE DURING CONSTRUCTION.
3. SECTOR MOUNT DESIGN PENDING MOUNT ANALYSIS TO FINALIZE.
4. PIP DESIGN REQUIRED TO FINALIZE.

OVERALL SITE PLAN

1" = 20'

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5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

MAXIMUM ENGINEERING GROUP

325 W. Hospitality Lane, Suite 206
San Bernardino, CA 92408

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DRAWN BY:	CHECKED BY:	APPROVED BY:
RB	SH	SC

RFDS REV #: ---

ZONING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
*	07/30/2025	INITIAL ZD SUBMITTAL
A	08/29/2025	100% ZDs

A&E PROJECT NUMBER
LALAX04490A

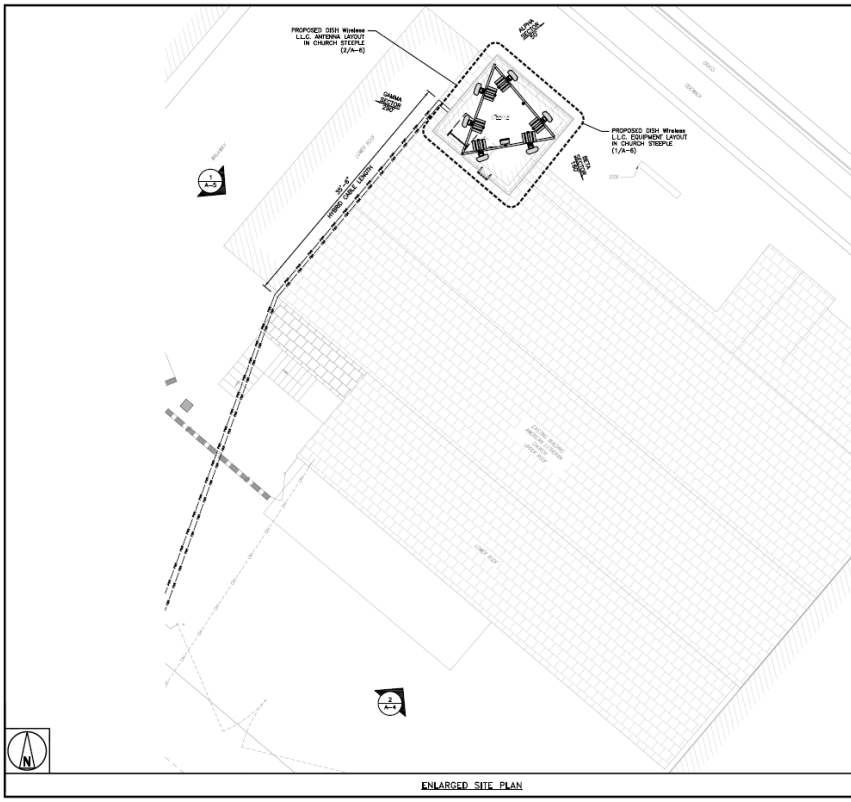
DISH Wireless L.L.C.
PROJECT INFORMATION

LALAX04490A
755 N. WHITNALL HWY
BURBANK, CA 91505

SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
A-1

ATTACHMENT A - 4



NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR TO DO A UTILITY LOCATE DURING CONSTRUCTION.

ENLARGED SITE PLAN

3/16" = 1'-0"

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5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

MAXIMUM ENGINEERING GROUP

325 W. Hospitality Lane, Suite 206
San Bernardino, CA 92408

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DRAWN BY:	CHECKED BY:	APPROVED BY:
RB	SH	SC

RFDS REV #: ---

ZONING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
*	07/30/2025	INITIAL ZD SUBMITTAL
A	08/29/2025	100% ZDs

A&E PROJECT NUMBER
LALAX04490A

DISH Wireless L.L.C.
PROJECT INFORMATION

LALAX04490A
755 N. WHITNALL HWY
BURBANK, CA 91505

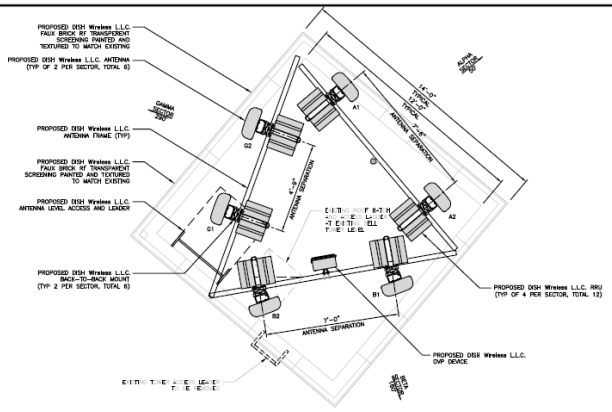
SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER
A-2

ATTACHMENT A - 5

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNA AND MW DISH SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS
3. EXISTING EQUIPMENT AND FENCE OMITTED FOR CLARITY.
4. ALPHA SECTOR SHOWN TYPICAL FOR BETA AND GAMMA SECTORS.



ANTENNA LAYOUT

1/2" 0" 1" 2" 3" 4" 5"
1/2"=1'-0"

2

SECTOR	POSITION	ANTENNA						TRANSMISSION CABLE
		EXISTING OR PROPOSED	MANUFACTURER – MODEL NUMBER	TECHNOLOGY	SIZE (HxW)	AZIMUTH	RAD CENTER	FEED LINE TYPE AND LENGTH
ALPHA	A1	PROPOSED	CELLMAX – CX12044X	NR	72.4" x 28.7"	50°	40'-0"	(1) HIGH-CAPACITY HYBRID CABLE (307 LONG)
	A2	PROPOSED	CELLMAX – CX12044X	NR	72.4" x 28.7"	50°	40'-0"	
BETA	B1	PROPOSED	CELLMAX – CX12044X	NR	72.4" x 28.7"	160°	40'-0"	
	B2	PROPOSED	CELLMAX – CX12044X	NR	72.4" x 28.7"	160°	40'-0"	
GAMMA	G1	PROPOSED	CELLMAX – CX12044X	NR	72.4" x 28.7"	290°	40'-0"	
	G2	PROPOSED	CELLMAX – CX12044X	NR	72.4" x 28.7"	290°	40'-0"	

SECTOR	POSITION	RRH		OVP	NOTES
		MANUFACTURER – MODEL NUMBER	TECHNOLOGY	MANUFACTURER MODEL	
ALPHA	A1	FUJITSU – TA08025-B04	MULTI-BAND	RAYCAP RDIDC-9181-PF-48	1. CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.
	A1	FUJITSU – TA08025-B05	MULTI-BAND		2. ANTENNA AND RRH MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. ALL EQUIPMENT CHANGES MUST BE APPROVED AND REMAIN IN COMPLIANCE WITH THE PROPOSED DESIGN AND STRUCTURAL ANALYSES.
	A2	FUJITSU – TA08025-B04	MULTI-BAND		
	A2	FUJITSU – TA08025-B05	MULTI-BAND		
BETA	B1	FUJITSU – TA08025-B04	MULTI-BAND	TBD	
	B1	FUJITSU – TA08025-B05	MULTI-BAND		
	B2	FUJITSU – TA08025-B04	MULTI-BAND		
	B2	FUJITSU – TA08025-B05	MULTI-BAND		
GAMMA	G1	FUJITSU – TA08025-B04	MULTI-BAND	TBD	
	G1	FUJITSU – TA08025-B05	MULTI-BAND		
	G2	FUJITSU – TA08025-B04	MULTI-BAND		
	G2	FUJITSU – TA08025-B05	MULTI-BAND		

ANTENNA SCHEDULE

4' 2' 0 4' 8'
1/4"=1'-0"

1

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LITTLETON, CO 80120

MAXIMIZE ENGINEERING GROUP
325 W. Hospitality Lane, Suite 206
San Bernardino, CA 92408

DRAWN BY:	CHECKED BY:	APPROVED BY:
RB	SH	SC

RFDS REV #: ---

ZONING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
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A&E PROJECT NUMBER
LALAX04490A

DISH Wireless L.L.C.
PROJECT INFORMATION
LALAX04490A
755 N. WHITNALL HWY
BURBANK, CA 91505

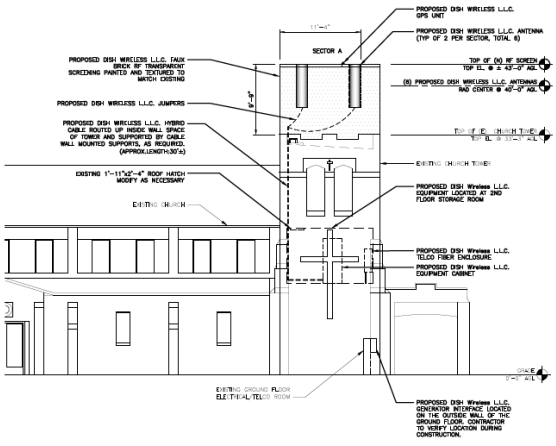
SHEET TITLE
ANTENNA PLAN, ELEVATION AND SCHEDULE

SHEET NUMBER
A-3

ATTACHMENT A - 6

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR AND MW DISH SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.



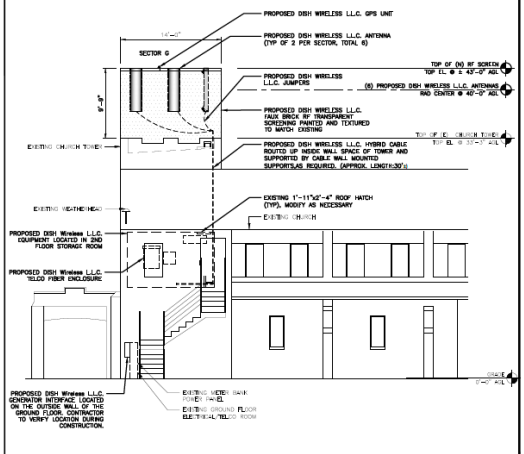
PROPOSED NORTHEAST ELEVATION

6' 4' 2' 0 5' 10'
3/16"=1'-0"

1

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR AND MW DISH SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.



PROPOSED SOUTHWEST ELEVATION

6' 4' 2' 0 5' 10'
3/16"=1'-0"

2

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5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

MAXIMIZE ENGINEERING GROUP
325 W. Hospitality Lane, Suite 206
San Bernardino, CA 92408

DRAWN BY:	CHECKED BY:	APPROVED BY:
RB	SH	SC

RFDS REV #: ---

ZONING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	07/20/2023	ISSUED FOR REVIEW
B	08/24/2023	100% ZDS

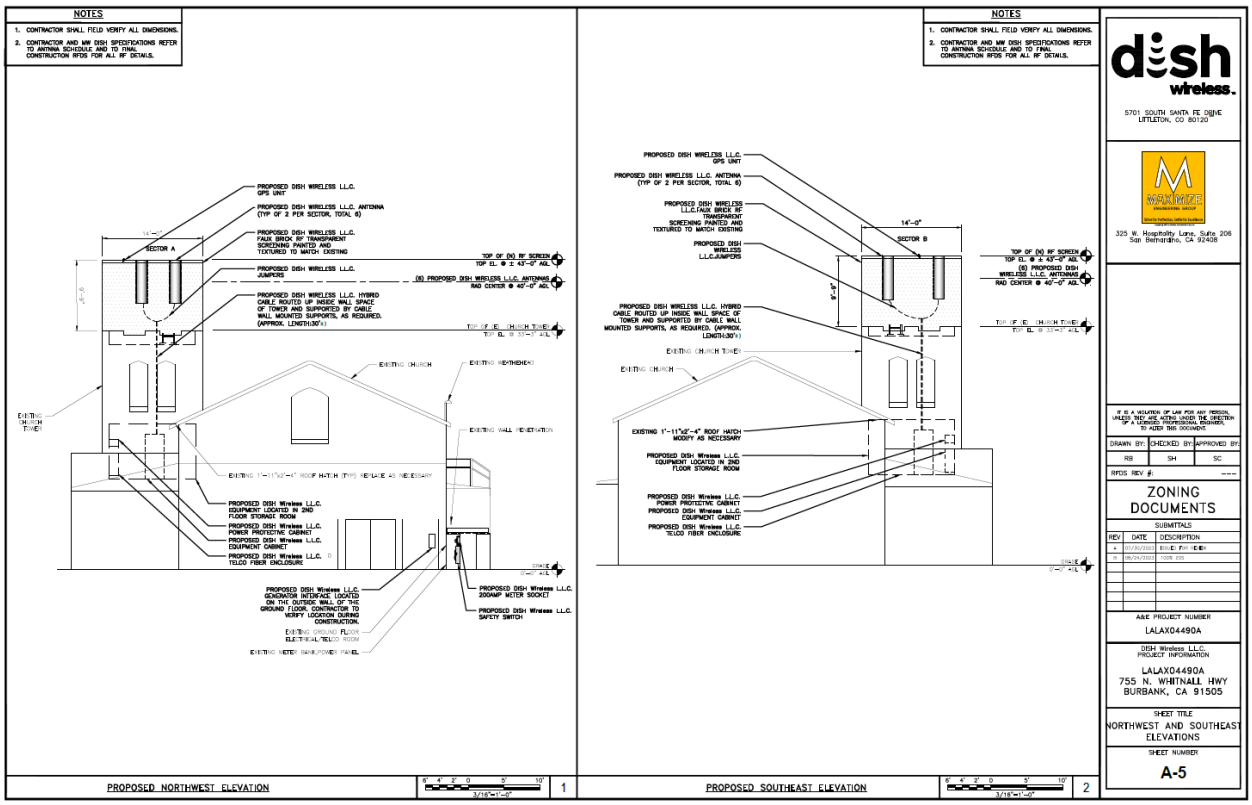
A&E PROJECT NUMBER
LALAX04490A

DISH Wireless L.L.C.
PROJECT INFORMATION
LALAX04490A
755 N. WHITNALL HWY
BURBANK, CA 91505

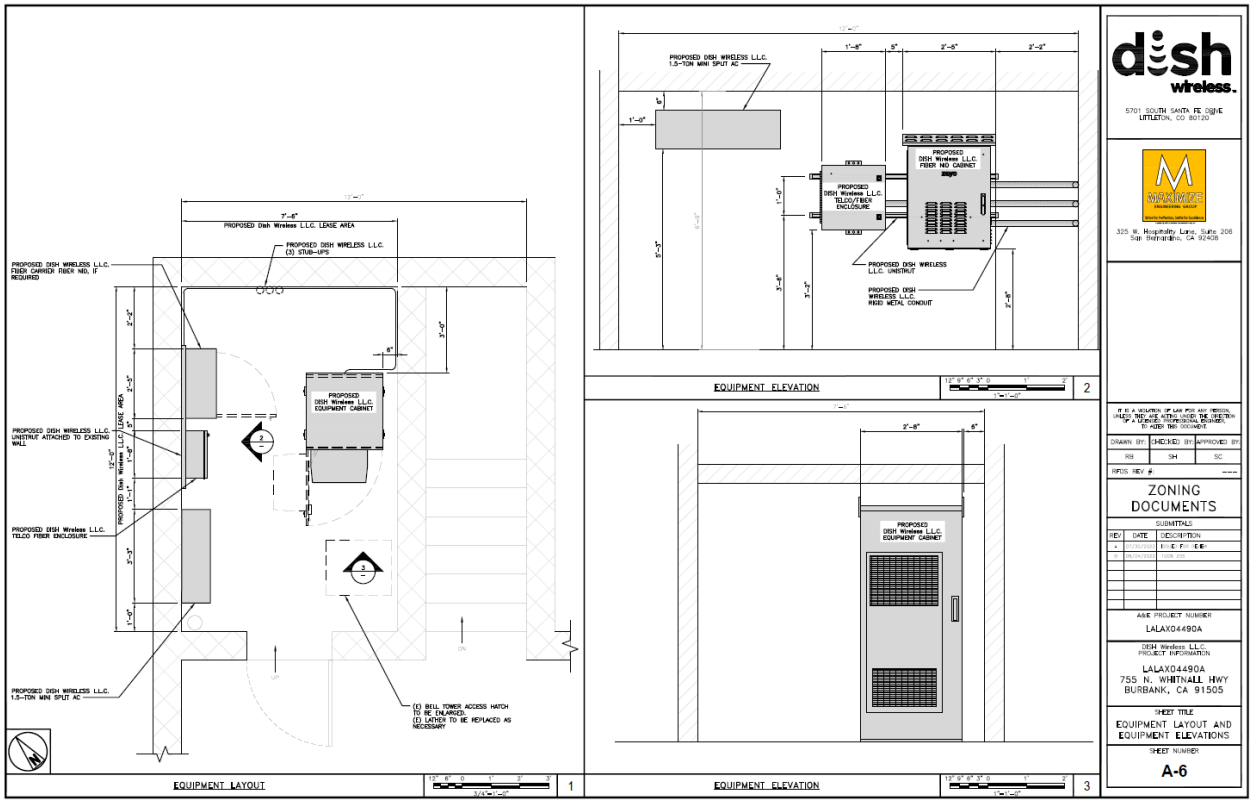
SHEET TITLE
NORTHEAST AND SOUTHWEST ELEVATIONS

SHEET NUMBER
A-4

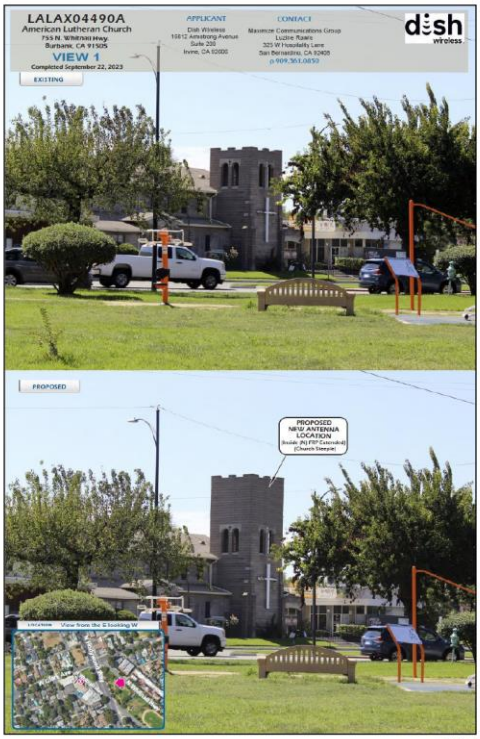
ATTACHMENT A - 7



ATTACHMENT A - 8



ATTACHMENT A - 9



ATTACHMENT A - 10

ATTACHMENT A - 11

ATTACHMENT B

BURBANK MUNICIPAL CODE COMPLIANCE MATRIX

Municipal Code Compliance (New Building-Mounted WTF)		
Code Section:	**Requirement:**	**Compliance:**
Per Table 10-1-1118(C), building mounted WTFs are allowed in non-residential zone (except OS)	Permitted through approval of an AUP; [AUP is required if residentially adjacent.]	Applicant submitted an AUP for the proposed building mounted WTF, including alterations to building, at 755 N. Whitnall Hwy.
Required Development & Design Standards for all WTFs		
Section 10-1-1118(D)(3)(a)	Where practical, WTFs shall be integrated into existing or newly developed facilities that are functional for other purposes.	Applicant is proposing six antennas and ancillary to be located within a new vertical addition at the roof of the existing, occupied commercial building such that the equipment is architecturally integrated.
Section 10-1-1118(D)(3)(b)	WTFs shall incorporate stealth design so as to minimize aesthetic impacts on surrounding land uses. Related equipment shall be designed to match the architecture of adjacent buildings and/or be screened from public view by walls, fences, parapets, landscaping, and similar treatments.	Proposed antennas and ancillary equipment will be screened within a 9' – 9" high vertical addition to the existing bell tower constructed of FRP screen material that will match the design and appearance of the existing commercial building.
Section 10-1-1118(D)(3)(c)	Related equipment for co-located WTFs shall be co-located within an existing equipment enclosure, or if not possible then located within a new equipment enclosure as close to the existing equipment enclosure as possible.	Proposed accessory equipment will be centrally located within the existing building.
Section 10-1-1118(D)(3)(d)	Monopoles, antennas, and support structures for antennas shall be no greater in diameter or any other cross-sectional	All supporting structures are no greater than necessary in diameter or any other cross-sectional dimension.

	dimension than is reasonably necessary for the proper functioning and physical support of the WTF and future co-location of additional WTFs.	
Section 10-1-1118(D)(3)(i)(1)	All WTFs shall post a sign in a visible readily location identifying the name and phone number of a party to contact in the event of an emergency.	A condition of approval is included to require a sign to be posted in a readily location identifying the name and phone number of a party to contact in the event of an emergency.
Section 10-1-1118(D)(3)(i)(2)	No signs, flags, banners, or any form of advertising shall be attached to a WTF except for government-required certifications, warnings, or other required seals or signs.	The applicant is not proposing any signage, or any form of advertising attached to the proposed WTF.
Section 10-1-1118(D)(3)(j)	No WTF or any portion thereof may be located within a required setback area.	The proposed WTF is not located within a required setback area.
Section 10-1-1118(D)(3)(l)	No WTF may, by itself or in conjunction with other WTFs, generate radio frequency emissions and/or electromagnetic radiation in excess of FCC standards and any other applicable regulations. All WTFs must comply with all standards and regulations of the FCC, and any other agency of the State or Federal government agency with the authority to regulate wireless telecommunications facilities.	The approved wireless facility will be conditioned to comply with all standards and regulations of the FCC, and any other agency of the State or Federal government agency with the authority to regulate WTFs.
Section 10-1-1118(D)(3)(m)	Within 30 days after discontinuation of use, the WTF operator shall notify the Director in writing that use of the WTF has been discontinued.	A condition of approval will be included to require the applicant to notify the Community Development Director in writing that the use of the facility has been discontinued. Furthermore, the condition will require the facility to be completely removed, and the site returned to its pre-facility condition within
Section 10-1-1118(D)(3)(n)	A WTF must be completely removed, and the site returned to its pre-WTF condition within 180 days of discontinuation of use.	

		180 days of the discontinuation of use.
Section 10-1-1118(D)(3)(o)	All WTF application approvals shall indicate that the approved WTF configuration was designed to conceal elements of the tower or base station to the extent feasible, and that further expansion of the WTF or its associated facilities would defeat those concealment elements.	The proposed WTF will include an RFP screen enclosure that is designed to match the existing commercial building and limits the visibility of the equipment.
Additional Requirements for Building-Mounted WTFs		
Section 10-1-1118(D)(4)(a)	New Building-mounted WTFs, including any screening devices, shall not exceed a height of 15 feet above the roof or parapet, whichever is higher.	The proposed RFP screening will be 9' – 9" high attached to the top of the existing 33' – 3" tower, thus the proposed screening does not exceed the maximum allowable height of 15 feet above the roof.
Section 10-1-1118(D)(4)(b)	Building-mounted WTFs shall be architecturally integrated into the building design and otherwise made as unobtrusive as possible. Antennas shall be located entirely within an existing or newly created architectural feature so as to be completely screened from view.	The proposed WTF will be architecturally integrated by locating the antennas within a vertical addition to the existing church tower, to be constructed of FRP screening, and will be painted to match the building design to reduce the mass of the screens.
Section 10-1-1118(D)(4)(c)	Building-mounted WTFs shall be located on the facade of the building, parapet, or rooftop penthouse whenever practical.	The proposed WTF is located on top of a rooftop of an existing commercial building.
Section 10-1-1118(D)(4)(d)	Facade-mounted WTFs shall not extend more than 24 inches out from the building face. If a building mounted WTF is mounted flush against a building wall, the color and material of the antenna and other equipment shall match the exterior of the building. If there is a discernable gap between the antenna and the facade, the antenna shall be screened so as to hide the gap.	Not applicable. The applicant is proposing a new building mounted WTF on a rooftop of existing commercial office building.

Section 10-1-1118(D)(4)(e)	Roof-mounted WTFs shall be fully screened from public view using screening devices that are compatible with the existing architecture, color, texture, and/or materials of the building. Roof-mounted WTFs shall also be screened from above, if visible from adjacent properties	The proposed antennas and equipment will include a 9' – 9" high, 360-degree FRP screen enclosure. Proposed accessory equipment will be located within the exiting church tower and not visible to the public.
Section 10-1-1118(D)(4)(f)	Roof-mounted WTFs shall be located as far from the edge of the building as feasible.	To accomplish architecturally integrated and stealth design, the antennas will be located within a faux church tower located at the north corner of the building, and due to the nature of the tower, setbacks are not feasible.
Radio Frequency Emissions Compliance		
Per Section 10-1-1118(E)(1), Within thirty (30) calendar days following the activation of any WTF, the applicant shall provide a radio frequency emissions compliance report to the Director certifying that the unit has been inspected and tested in compliance with FCC standards. Such report and certification shall include:		
Section 10-1-1118(E)(1)(a)	The make and model (or other identifying information) of the unit tested.	A condition of approval will be included to require the applicant, within 30 calendar days following the activation of the facility, to provide a radio frequency emissions compliance report to Director certifying that the unit has been inspected and tested in compliance with FCC standards. In addition, the condition will require, every 5 years following the initial report, the applicant to prepare and submit to the City an independently prepared updated radio frequency emissions compliance and certification and shall certify that the facility complies with all applicable FCC standards as of the date of the update. The Community Development Director may require the applicant to modify the location or design of the
Section 10-1-1118(E)(1)(b)	The date and time of the inspection, the methodology used to make the determination,	
Section 10-1-1118(E)(1)(c)	The name and title of the person(s) conducting the tests, and a certification that the unit is properly installed and working within applicable FCC standards.	
Section 10-1-1118(E)(1)(d)	As to DAS installations, the required radio frequency emissions compliance report certification shall be provided only by the wireless carrier(s) using the DAS system.	
Section 10-1-1118(E)(1)(e)	The report and certification shall also indicate that cumulative levels of radio frequency emissions from the WTF and all co-located WTFs are in compliance with FCC standards, including but not limited to FCC	

	Office of Engineering Technology Bulletin 65, Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields, as amended.	facility and/ or implement other mitigation measures to ensure compliance with the FCC standards.
Section 10-1-1118(E)(2)	Every five years following compliance with 1-1-1118 E(1) above, the applicant shall, at the WTF owners sole cost, prepare and submit to the City an independently prepared updated radio frequency emissions compliance report and certification, shall certify that the WTF complies with all applicable FCC standards as of the date of the update.	
Section 10-1-1118(E)(3)	If the radio frequency emissions compliance report and certification, and/or any update thereto, demonstrates that the cumulative levels of radio frequency emissions exceed or may exceed FCC standards, the Director may require the applicant to modify the location or design of the WTF and/or implement other mitigation measures to ensure compliance with FCC standards. The Director may require additional independent technical evaluation of the WTF, at the applicant's sole cost, to ensure compliance with FCC standards.	

ATTACHMENT C

WIRELESS SUPPLEMENTAL APPLICATION

City of Burbank
Planning and Transportation Division

150 North Third Street
Burbank, California 91502
www.burbankusa.com
T: 818-238-5250
F: 818-238-5150

SUPPLEMENTAL APPLICATION FORM
WIRELESS TELECOMMUNICATIONS FACILITIES

An appointment is required to file an application for a Wireless Telecommunications Facility. Call the Planning Division at (818) 238–5250 during regular business hours to make an appointment. A maximum of three (3) applications may be accepted at a single appointment. Please note: incomplete applications will not be accepted for filing.

The City of Burbank recognizes that the provision of wireless and DAS services are highly technical enterprises subject to various federal, state, and local regulations. This supplemental application form is designed to provide the necessary and required technical information in support of an encroachment permit, Conditional Use Permit ("CUP"), Administrative Use Permit ("AUP"), Variance, or building permit application for a new or modified wireless telecommunications site project or a Distributed Antenna System ("DAS") project within the City of Burbank.

Completion of the supplemental application is a mandatory for a wireless project. This form assists the City of Burbank to comply with its duties under Sections 10-1-1118 of the Burbank Municipal Code (BMC); Sections 253, 332, and 704 of the Communications Act of 1934 as amended; the FCC Shot Clock Order (FCC 09-99); California Public Utilities Code Sections 7901 and 7901.1; the California Environmental Quality Act (CEQA); the provisions of Government Code Sections 65850.6 and 65964; and other local, state, and federal laws, regulations, and court rulings. The City of Burbank requires that the applicant provide this information to assist in creating a written administrative record containing substantial evidence sufficient to permit the City of Burbank's informed consideration of your request, and to determine the rights and obligations of the City of Burbank and the applicant/owner of the proposed project.

No application for a new wireless site or for a modification of an existing wireless site shall be accepted for processing, determined to be "Complete," or be considered for a determination of completeness until all required responses to this supplemental application form and required attachments are completed and submitted to the City of Burbank Planning Division.

If you do not believe that a specific item of information is necessary or applies to your application, mark the item on this form with the words "Not Applicable" and attach a detailed written explanation as to the basis why you believe the item is not applicable (e.g., "Question 94.7 does not apply to this application because the proposed Project has no microwave transmission element.") An unsupported statement such as "Question 94.7 does not apply" is insufficient, and the determination of completeness of your application will be delayed while you provide a meaningful and detailed explanation.

Every page of this form **including this page and the last page** must be submitted to the City of Burbank. Each page **including this page and the last page** must be initialed where indicated. The last page must also be completed, signed, and dated. Note that gaps in the numbering of this form are intentional; please do not renumber questions or responses in your reply.

Questions about this form or the required information to be provided should be directed to the City of Burbank Planning Division at (818) 238 – 5250 during regular business hours.

RMIII

1.00: **Project Location and Applicant Information**

1.01:	Project Physical Address	755 N. Whitnall Hwy, 91505
1.02:	Applicant's Site Number (if any)	LALAX04490A
1.03:	Assessor's Parcel Number:	2480-014-001
1.04:	Legal Name of Applicant (Wireless Carrier or DAS Firm, referred to in this for as the "Project Owner")	☑ Owner ☐ Owner's Representative DISH Wireless L.L.C., a Colorado limited liability company
1.05:	Applicant Representatives name is:	Maximize Engineering Group c/o Robert McCormick III
1.06:	Applicant's Address Line 1:	2666 W. 235th Street
1.07:	Applicant's Address Line 2:	Suite B
1.08:	Applicant's Address Line 3:	Torrance, CA 90505
1.09:	Applicants Address Line 4:	
1.10:	Applicant's Phone number:	
1.11:	Applicant's Mobile number:	310-547-7413
1.12:	Applicant's Fax number:	
1.13:	Applicant's Email address	robert.mccormick.ctr@maximize1.com

1.14 Does the scope of work that pertains to the proposed project qualify it as an Eligible Facilities Request pursuant to section 6409(a) of the Middle Class Tax Relief and Job Creation Act of 2012?

___Yes ☑ No

1.15 If the answer to 1.14 is Yes, please attach an additional document explaining how the project falls under the criteria of an Eligible Facilities Request. Designate this exhibit as "Exhibit 1.15."

Initial here _____ to indicate that Exhibit 1.14 is attached to this form.

1.16 Provide the City of Burbank Business License number for the Applicant or Applicant's firm listed in 1.10: N/A PER CITY PLANNING

1.20 Proceed to Section 2.00.

2.00: **Project Owner Information and CPCN Information**

2.03: Attach a letter of agency appointing the Applicant's Representative as the agent for the Project Owner in connection with this application. Designate the letter of agency as "Exhibit 2.03."

Initial here RMIII to indicate that Exhibit 2.03 is attached to this form.

2.05: Attach a letter of agency appointing the Applicant's Representative as the agent for the underlying Property Owner in connection with this application. Designate the letter of agency as "Exhibit 2.05."

Initial here RMIII to indicate that Exhibit 2.05 is attached to this form.

2.07: Does the Project Owner hold a California Public Utilities Commission 'Certificate of Public Convenience and Necessity' (CPCN) for any service to be provided by this project?
___ Yes ☑ No

2.08: If the answer to 2.07 is No, proceed to Section 3.01.

2.10 Provide a true and complete copy of the Project Owner's CPCN and mark it as "Exhibit 2.10."

Initial here N/A to indicate that the Exhibit 2.10 is attached to this form.

2.20 Proceed to Section 3.00.

3.00: **FCC License / RF Safety Compliance / FAA Compliance**

3.01: For each entity that will be using the Project site, provide the information in this section. If more than one entity will be using the Project site, provide separate information for each entity using the project site.
Note to DAS provider applicants who are NOT the licensee to be transmitted from the site or who are not in sole control of the RF emissions from the Project: The required information in this Section must be provided on the letterhead of each entity. Each such response must also be signed by an authorized representative of the FCC licensee or the entity in control of the RF emissions, as well as that person's printed name and title, address and telephone number.

3.02: For questions 3.03 through 3.09 inclusive, disclose all information for each proposed Radio Frequency signal emitter ("RF Emitter") at the project site.

3.03: Name of RF Emitter: Elijah Harris, c/o Dish Wireless

3.04: RF Emitter's Address Line 1: 7545 Irvine Center Dr., Suite 200

3.05: RF Emitter's Address Line 2: Irvine, CA 92618

3.06: RF Emitter's Phone number: 407-761-4251

3.07: RF Emitter's Fax number:

3.08: RF Emitter's Contact E-mail address: Elijah.harris@dish.com

3.09: Use of facility: (Check all that apply)

Notice: Applicants not operating under their own FCC license(s) must mark "Other" and disclose of all information required here for all entities that use the project.

__ Amateur Radio
__ Broadcast Radio
__ Broadcast TV
__ Cellular telephone
__ Enhanced Specialized Mobile Radio
__ Microwave
✔ PCS telephone
__ Paging
__ SMR/ESMR
__ WiMax/WIFI
__ Satellite Uplink/ Satellite ___Downlink
__ Other(s) (specify):_____

3.10: Project latitude and longitude: N 34.164003 W -118.345639

3.11: Specify DATUM used above:

__ WGS84 __NAD23 ✔ NAD83
__Other DATUM (specify): _____

3.12: Project maximum height (ft. AGL): 43'

3.13: Bottom of lowest transmitting antenna (ft. AGL): 37'

3.14: RF Emissions ("Rad") center of the lowest transmitting antenna (ft. AGL): Yes

RMIII

3.15: For each licensee (i.e., “ABC Wireless” or “XYZ Wireless”), ***and*** for each radio service (i.e., “PCS” or “Cellular”), complete and attach a separate two page “Appendix A” form from "A Local City Official's Guide to Transmitting Antenna RF Emission Safety: Rules, Procedures, and Practical Guidance” available by download directly from the FCC at http://www.fcc.gov/oet/rfsafety/ (the “Appendix A Form”). Ensure that all proposed emissions from this project are accounted for on the Appendix A Forms you submit.

Distributed Antenna System (DAS) providers: Unless the DAS provider is the FCC licensee for the proposed project or the emissions from the site are solely for the DAS provider’s own transmissions, the DAS provider must provide an Appendix A form completed by each wireless carrier or wireless service provider to be transmitted through the Project at each wireless site. Appendix A Forms completed by a DAS provider are unacceptable if they are not the FCC licensee for the particular wireless service(s) to be transmitted through the project.

Designate all completed Appendix A Forms as “Exhibit 3.15.”

For collocation projects: In addition to the Appendix A Form(s) which you must submit in connection with the project identified in this application, you must also submit an Appendix A Form for each collocated RF emitter. Designate any additional RF safety compliance information as “Exhibit 3.15-A.”

For consistency, all Appendix A forms submitted must use effective radiated power (ERP) units of measure. Do not use effective isotropic radiated power (EIRP). To verify your understanding of this requirement, you must append the letters “ERP” following each wattage listing in each Appendix A form you submit.

Initial here RMIII_____ to indicate that all required Exhibit 3.15 and 3.15-A forms are attached to this form.

3.16 Considering your response in Exhibit 3.15, above, and any other identifiable RF emitters that FCC OET Bulletin 65 requires be evaluated in connection with this Project, are all portions of this Project cumulatively “categorically excluded” under FCC OET 65 requirements?

☑ Yes ___ No

3.17: Does the project design or location require the Applicant to file an FAA Form 7460 or other documentation under Federal Aviation Regulation Part 77.13 et seq, or under the FCC rules?
___ Yes ☑ No

3.18: If the answer to 3.17 is NO proceed to Section 4.00.

3.19: Attach complete copies of all required FAA/FCC forms including all Exhibits and exhibits thereto, including without limitation FAA Form 7460. Designate this exhibit as “Exhibit 3.17.”

Initial here N/A_____ to indicate that Exhibit 3.17 is attached to this form.

3.30 Proceed to Section Section 4.00.

4.00: **Project Purpose**

4.02 Distributed Antenna System (DAS) providers applicants: Unless the DAS provider is the FCC licensee for the proposed project or the emissions from the site are solely within the DAS provider's control, the answers to this Section 4 must be provided by the each wireless user that will be transmitting RF emissions from the Project Site, and those answers must be provided on the letterhead of the wireless user and signed by an authorized signer of the wireless user. Each such response must also be signed by an authorized representative of the wireless user, as well as that person's printed name and title, address and telephone number.

4.03: For each entity that will be using the Project site, provide the information this section. If more than one person/legal entity, provide separate information for each person/legal entity using the Project site.

4.05: Indicate the dominant purpose of the Project (check one or more, then proceed as directed):

__ Add network capacity without adding significant new RF coverage area; Proceed to Section 4.10.

☑ Provide significant new radio frequency coverage in an area not already served by radio frequency coverage; Proceed to Section 4.10.

__ Increase the existing RF signal level in an area with existing radio frequency coverage; Proceed to Section 4.10.

__ Other; Proceed to Section 4.07.

4.07 Attach a written statement fully and expansively describing all portions or elements of the "Other" dominant purpose of this Project. Designate this exhibit as "Exhibit 4.07."

Initial here N/A to indicate that Exhibit 4.07 is attached to this form.

4.10 Is this Project intended to close or reduce an asserted "significant gap" in a wireless telecommunications network?
___ Yes ☑ No

4.11 If the answer to 4.10 is NO proceed to Section 4.20.

4.12 Attach a written statement fully and expansively describing the following:

a. A clear description of the geographic boundary of the claimed significant gap area; and

b. Attach a street-level map showing the geographic boundary of the claimed significant gap stated in 4.12(a); and

c. Identify the size of the area, in units of square miles, of the claimed significant gap; and

d. Explain exactly the definition of the term “significant gap” as it applies to this project; and

e. Explain exactly how the definition of significant gap term defined in 4.12(d) was developed, and identify who developed that definition, and when the definition was developed; and

f. Discuss whether the significant gap term defined in 4.12(d) is identical to that term as used by some or all wireless carriers in the City of Burbank and/or the wireless industry as a whole, or whether that information is unknown; and

g. Specify whether the definition of “significant gap” provided in 4.12(d) is the same definition used in by this applicant and owner in all of its prior projects submitted to the City of Burbank, and if not, explain all differences and the reasons for the differences; and

h. Discuss in detail all of the following in relation to the claimed significant gap area only (where you have relied on external data sources, identify those sources in your response):
    1. Whether claimed significant gap affects significant commuter highway or railway, and if so, name each highway or railway, and how affected; and
    2. Describe in detail the nature and character of that area or the number of potential users in that area who may be affected by the claimed significant gap; and
    3. Describe whether the proposed facilities are needed to improve weak signals or to fill a complete void in coverage, and provide proof of either; and
    4. If the claimed significant gap covers well-traveled roads on which customers lack roaming capabilities, identify all such well-traveled roads by name within the claimed significant gap area and provide road use information about each such road; and
    5. If one or more “drive tests” has been conducted within the claimed significant gap area, discuss in detail the methodology of how the test(s) was conducted, including details about the test equipment model numbers and location of the test equipment and antennas in or on the test vehicle, and provide all of the objective data collected during the drive test in .XLS or .CSV or similar portable spreadsheet format; and
    6. If the claimed significant gap affects a commercial district, show the boundaries of the district on the map; and
    7. If the claimed significant gap poses a public safety risk, describe in detail the claimed risk, and then expansively discuss the basis for this claim; and

i. If the claimed significant gap is based in whole or in part on factors regarding any factor related to switching center capacity; dropped calls; failed hand-offs; interference from or to other cell sites; pilot channels; site hopping; degraded RXQUAL; degraded Ec/Io; and/or any failure to meet any carrier transmission goal or percentage goal, attach at least the most recent twelve months of historical data by month documenting at least (1) the results or numerical data of

each claimed parameter; (2) the wireless carrier's numerical and percentage requirements for each such claimed perimeter; (3) the total number of calls attempted for each month both successfully and unsuccessfully completed; (4) the total number of calls that were not completed including failed originations; failed hand-offs; and non-normal call terminations; and (5) for every such claimed parameter that is not categorized by way of number or percentage, provide the data in the way kept by the carrier; and

j. Provide all other relevant information you want the City of Burbank to consider when evaluating your claim of a significant gap.

Designate this exhibit as "Exhibit 4.12."

Initial here N/A ___ to indicate that Exhibit 4.12 is attached to this form.

4.13 Is the proposed project the least intrusive means to close the significant gap claimed and described in 4.12?

___ Yes ___ No

4.14 If the answer to 4.13 is NO proceed to Section 4.20.

4.15 Attach a written statement fully and expansively describing at a minimum:

a. Why this project is the least intrusive means to close the significant gap claimed and described in 4.12.

b. Identify and discuss all alternative sites and means considered to close the significant gap claimed and described in 4.12.

c. Whether two or more sites in lieu of the site proposed in Section 1 could close the significant gap claimed and described in 4.12, or to reduce the significant gap to be less than significant, with less impact on the community as compared with a single site? If the answer is no, please explain in narrative format the basis for that answer.

d. Whether the City of Burbank requiring two or more sites in place of the site proposed in Section 1 would prohibit or have the effect of prohibiting the applicant from providing any interstate or intrastate telecommunications service. If the response asserts that a prohibition or effective prohibition would occur, explain in detail in narrative form all of the reasons why it would.

e. Include and attach all information whatsoever you relied on in reaching your affirmative determination in 4.13.

f. Include any other information you believe would assist the City of Burbank make findings regarding whether the proposed project is the least intrusive means of closing the significant gap claimed and described in 4.12, or to reduce the significant gap to be less than significant.

Designate this exhibit as “Exhibit 4.15.”

Initial here N/A_____ to indicate that Exhibit 4.15 is attached to this form. Proceed to Section 4.20.

4.20 If any portion of the project is to utilize radio spectrum that does not require an FCC license, identify in detail the portions of the project that used unlicensed spectrum.

Designate this exhibit as “Exhibit 4.20.”

Initial here N/A_____ to indicate that Exhibit 4.20 is attached to this form.

4.25 Is this project designed to use any form of direct site-to-site light-of-sight radio interconnection (i.e., microwave or donor/donee configuration, for example) with another existing or currently planned site? ___ Yes ☑ No

4.26: If the answer to 4.25 is NO proceed to Section 4.30.

4.27: Attach a detailed written statement fully and expansively describing the radio interconnection proposed, and identify all other existing or planned sites that will be interconnected with this project. Designate this exhibit as “Exhibit 4.27.”

Initial here N/A_____ to indicate that Exhibit 4.27 is attached to this form.

4.30: Does the applicant assert that this project is subject to 47 U.S.C. § 1455(a) [Section 6409(a) of the Middle Class Tax Relief Act of 2013]?
___ Yes ☑ No

4.36: If the answer to 4.30 is NO proceed to Section 5.00.

4.37: Attach a detailed written statement fully and expansively describing all of the reasons upon which the applicant believes that 47 U.S.C. § 1455(a) applies to this application. Designate this exhibit as “Exhibit 4.37.”

Initial here _____ to indicate that Exhibit 4.37 is attached to this form.

4.40: Proceed to Section 5.00.

5.00: **Build-Out Requirements**

5.01: Do any of radio services to be provided from the Project require the FCC licensee to provide specific radio frequency/population build-out coverage pursuant to the underlying FCC license conditions?
☑ Yes ___ No

5.02: If the answer to 5.01 is NO proceed to Section 6.00.

5.03: Have all of the FCC build-out requirements been met for all licenses covering all radio services proposed at this Project?
☑ Yes ___ No

5.04: If the answer to 5.03 is YES proceed to Section 6.00.

5.05: Disclose by licensee FCC call sign all build-out requirements/obligations which have not yet to be met, and the known or estimated date when the remaining build-out requirements will be met. Designate this exhibit as "Exhibit 5.05."

Initial here N/A to indicate that Exhibit 5.05 is attached to this form.

5.10 Will this proposed site be interconnected via radio frequency transmissions to any other site or sites now constructed, proposed, or anticipated? For the purpose of this question, interconnection includes one or more radio frequency links to provide for 'back-haul' from this site to a switching center or centralized node location.

___ Yes ___ No

5.11: If the answer to 5.10 is NO proceed to Section 6.00.

5.15 Identify by physical address (or if none, by geographic description) all other sites, regardless of whether now constructed, proposed, or anticipated, that are to be interconnected with this Project site. Disclose in technical detail the proposed method of interconnection. Designate this exhibit as "Exhibit 5.15."

Initial here _____ to indicate that Exhibit 5.15 is attached to this form.

5.20 Proceed to Section 6.00.

6.00: **Radio Frequency Coverage Maps**

6.03 If no geographic coverage area is identified by the entity controlling the RF emissions from the Project, *initial here* _____ and proceed to Section 7.00.

6.10: Where a licensee intends to provide radio frequency coverage from the Project to an identified geographic coverage, the coverage maps and information requested in Section 6 are required Exhibits.
Distributed Antenna System (DAS) providers who are providing antenna facilities for use by other parties: You must provide radio frequency coverage maps prepared by the FCC licensee(s) or other non-licensed users that will control the RF emissions from this Project. The radio frequency maps required by this section must reflect the existing and future RF emissions of the FCC licensee(s) or other non-licensed users. Supplemental DAS site-specific RF coverage maps provided by the DAS applicant are acceptable.

Radio frequency coverage maps required here that are completed by a DAS provider are unacceptable if they are not the FCC licensee or in full control of the RF emitter for the particular wireless service transmitted through the Project.

6.15 For the coverage maps required here, the following mandatory requirements apply. Failure to adhere to these requirements may delay your application's determination of completeness.

a. The size of each submitted map must be no smaller than 11" by 8.5." Each map must be of the same physical size and map area scale. Each map must use the same base map (i.e., same streets and legends shown on all).
b. If the FCC rules for any proposed radio service defines a minimum radio frequency signal level that level must be shown on the map in a color easily distinguishable from the base paper or transparency layer, and adequately identified by RF level and map color or gradient in the map legend. If no minimum signal level is defined by the FCC rules you must indicate that in the legend of each RF coverage map. You may show other RF signal level(s) on the map so long as they are adequately identified by objective RF level and map color or gradient in the map legend.

6.20: Provide a map consistent with the requirements of 6.15 showing the existing RF coverage within the City of Burbank on the Applicant's same network, if any (if no existing coverage, so state). This map should not depict any RF coverage to be provided by the Project. Designate this exhibit as "Exhibit 6.20."

Initial here RMIII_____ to indicate that Exhibit 6.20 is attached to this form.

6.25: Provide a map consistent with the requirements of 6.15 showing the RF coverage to be provided only by the Project. This map should not depict any RF coverage provided any other existing or proposed wireless sites. Designate this Exhibit "Exhibit 6.25."

Initial here RMIII_____ to indicate that Exhibit 6.25 is attached to this form.

6.30: Provide a map consistent with the requirements of 6.15 showing the RF coverage to be provided by the Project and by all other existing wireless sites on the same network should the Project site be activated. Designate this exhibit as "Exhibit 6.30."

Initial here RMIII_____ to indicate that Exhibit 6.30 is attached to this form.

6.40 Proceed to Section 7.00.

RMIII

7.00: **Project Photographs and Photo Simulations**

7.01: The Applicant shall submit photo simulations consistent with the following standards:

1. Minimum size of each base photo and each photo simulation must be 10 inches by 8 inches (landscape orientation). Each base photo and matching photo simulation must be the same size. **Single sheets of 11 x 8 ½ inches showing base photos and photo simulations on the same page are unacceptable**.

2. All elements of the Project as proposed by the Applicant which can be seen from any point at ground level, or from any level within or on buildings within 500 feet of the Project must be shown in one or more close-in photo simulations (i.e., panel antennas, omni-directional antennas, GPS antennas, antenna camouflage devices, cable trays, equipment cabinets, working lights, etc.).

3. The overall Project as proposed by the Applicant must be shown in three or more area photo simulations. Base photographs must, at a minimum, be taken from widely scattered positions of 120 degrees. A map detail showing each location where a photograph was taken, the proposed site, and the direction to the site from each photo location must be included. Base photographs taken from locations that have some physical feature obscuring the Project site, and the photo simulations associated with those same base photographs, are not acceptable.

Attach all base photographs and photo simulations to this application marked as Exhibit 7.01.

The purpose of the photo simulations is to allow the City of Burbank to visualize the Project as completed, therefore the number of site photos, and photo simulations, and the actual or simulated camera location of these photos and photo simulations are subject to City of Burbank determination. The Applicant should submit photos and photo simulations consistent with these instructions, and be prepared to provide additional photos and photo simulations should they be requested by the City of Burbank.

The Applicant certifies by initialing in the space at the end of this paragraph that all of the photos and photo simulations provided for Exhibit 7.01 are accurate and reliable photographic representations of the current project site and the proposed project to be constructed or modified, and that the Applicant is fully aware that the City of Burbank will rely on all of the photos and photo simulations provided in Exhibit 7.01 when it considers approval of this Project, and later when determining project completion.

Applicant's initials: RMIII

7.20 Proceed to Section 8.00.

RMIII

8.00: **Alternative Candidate Sites**

8.01: Amateur radio applicants proceed to Section 9.00.

8.02: Has the Applicant or Owner or anyone working on behalf of the Applicant or Owner secured or attempted to secure any leases or lease-options or similar formal or informal agreements in connection with this Project for any sites other than the proposed Project site?

___ Yes ☑ No

8.03: If the answer to 8.02 is NO proceed to Section 8.05.

8.04: Provide the physical address of each such other location, and provide an expansive technical explanation as to why each such other site was disfavored over the Project site. Designate this exhibit as "Exhibit 8.04."

Initial here _____ to indicate that Exhibit 8.04 is attached to this form.

8.05: Considering this proposed site, is it the one and only one location within or outside of the City of Burbank that can possibly meet the objectives of the Project?

___ Yes ☑ No

8.04: If the answer to 8.05 is NO, proceed to Section 9.00.

8.05: Provide a technically expansive and detailed explanation supported as required by comprehensive radio frequency data and all other necessary information fully describing why the proposed site is the one and only one location within or outside of the City of Burbank that can possibly meet the radio frequency objectives of the Project. Explain, in exact and expansive technical detail, all of the objectives of this Project that can be achieved only at this Project site, and why.

Designate this exhibit as "Exhibit 8.05."

Initial here _____ to indicate that Exhibit 8.05 is attached to this form.

8.20 Proceed to Section 9.00.

RMIII

9.00: **Identification of Key Persons**

9.01: Identify by name, title, company affiliation, work address, telephone number and extension, and email address of the key person or persons most knowledgeable regarding this Project so that the City of Burbank may contact them with questions regarding the Project:

9.10 Person responsible for the final site selection for the Project;

Name:
Title:
Company Affiliation:
Work Address:
Telephone / Ext.:
Email Address:

SEE ATTACHED EXHIBIT 9.01

9.20 Person responsible for the radio frequency engineering of the Project;

Name:
Title:
Company Affiliation:
Work Address:
Telephone / Ext.:
Email Address:

9.30 Person responsible for rejection of other candidate sites evaluated, if any;

Name:
Title:
Company Affiliation:
Work Address:
Telephone / Ext.:
Email Address:

9.50 Proceed to Section 10.00.

RMIII

10.00 **Noise Study**

10.01 A noise study for the proposed WTF shall be prepared by a qualified engineer. The noise study shall include, but is not limited to an analysis of equipment such as air conditioning units and backup generators and shall indicate that any noise generated by the proposed WTF and associated equipment will be in compliance with applicable noise regulations.

Initial here RMIII to indicate that the Exhibit 10.01 is attached to this form.

RMIII

11.00 Additional Information to be Provided by Applicant

11.01 Will any Hazardous Substances, as specified in The Hazardous Substances List found in Chapter 3.2, Subchapter 1, Article 5, Subsection 339 of the California Occupational Safety and Health Regulations be used at the Project site? If yes, please provide a separate explanation and designate this exhibit as "Exhibit 11.01"

___ Yes ☑ No

Initial here _____ to indicate that Exhibit 11.01 is attached to this form.

11.02 You are invited and encouraged to provide any additional written information of any kind that you wish the City of Burbank to consider in connection with your proposed project.

If you wish to attach additional written information, designate this exhibit as "Exhibit 11.02"

Initial here _____ to indicate that Exhibit 11.02 is attached to this form, *or initial here* RMIII to indicate that there is no Exhibit 11.02 attached.

11.20 Proceed to Section 12.00.

RMIII

PROJECT DESCRIPTION

City of Burbank Planning Department

Wireless Telecommunication Facility

Project Description & Findings

Applicant: Dish Wireless
7545 Irvine Center Dr., Ste. 200
Irvine, CA 92618

Owner: American Lutheran Church of Burbank, Inc., Burbank, California

Contact: Erica Hauck – Council President
755 N. Whitnall Hwy
Burbank, CA 91505

Rep.: Maximize Engineering Group
2666 W. 235th Street, Suite B
Torrance, CA 90505

Robert McCormick
(310) 547-7413

Site No.: LALAX04490A

Location: 755 N. Whitnall Hwy, Burbank, CA 91505

Project Description

Dish Wireless is requesting the review and approval of a telecommunications application for a new wireless telecommunications facility at 755 N. Whitnall Hwy, 91505. Dish Wireless proposes to install six (6) new six-foot panel antennas and ancillary antenna equipment behind a new and height-extended faux FRP Church steeple, textured and painted to match the existing architecture and character of the building, along with radio cabinets placed within the interior of the Church steeple.

The Property

The subject property is an institutional use and located in the C-3 zone. The subject property is surrounded by C-3 Commercial General Business to the east, R-4 High Density Residential to the south, and R-1 Single Family Residential to the west and north of the subject property.

Objective

The purpose of installing the facility at this location is to provide Dish network coverage along W. Clark Avenue, west to N. Rose Street and east to N. Ontario Street, along North Hollywood Way, providing network coverage south to Verdugo and north to Magnolia Blvd, and the surrounding R-1 community encompassed within these transportation corridors.

About DISH WIRELESS

As a licensee authorized by the Federal Communications Commission to provide wireless services in this region, DISH WIRELESS must establish a network of wireless telecommunications facilities in the metropolitan area and beyond. Each wireless telecommunications facility, or base station, will consist of transmitting and receiving antennas mounted on a communication tower or other suitable structure and electronic equipment cabinets. It will also consist of radios for receiving and transmitting wireless communications and complex electronic equipment to operate the radios, interface with other cellular sites, provide connections to the landline telephone network, and link the facility with the main switching center.

DISH WIRELESS will operate this facility in full compliance with the regulations and licensing requirements of the FCC, FAA, and CPUC as governed by the Telecommunications Act of 1996 and other applicable laws.

In order to meet the basic level of operational radio signal coverage, radio frequency (RF) engineers have designed a network of wireless telecommunications facilities for the Southern California area. The applicant's engineers choose specific sites after lengthy analysis. Selection criteria include: limitations imposed by surrounding topography, the intended service area of the site, and the ability of the new site to "see" other sites in the network from its proposed location. Other selection factors include suitable access, availability of electrical and telephone service, and a willing property lessor. Where the necessary design criteria can be met, co-location with existing telecommunication facilities is a preferred option. The antennas and equipment are screened or integrated with the building whenever possible. Only after careful analysis of many candidates and successful lease negotiations has been completed is a land use application such as this one submitted.

The cellular site is a passive use and will have no impact on other properties in the surrounding area. The facility is unstaffed. After an initial construction period of 30 to 45 days, the only traffic generated will be for routine maintenance visits, typically once or twice a month. There are no activities that will produce airborne emissions, odor, vibration, heat, glare, or noxious and toxic materials. All equipment and materials needed to operate the site are located in the equipment cabinets. The cellular site does not require water or sanitary facilities and therefore will generate no wastewater.

EXHIBIT 2.03

LETTER OF LIMITED AGENCY

May 31, 2023

Dear Sir/Madam:

On April 7, 2023, DISH Wireless L.L.C. ("DISH") and Maximize Communication Group, Inc. ("Contractor") entered into a DEPLOYMENT AGREEMENT ("Agreement") effective as of April 7, 2023. The Agreement provided, among other things, for Contractor to provide to DISH site acquisition services (including zoning and permitting services) for certain ground space and tower space located at (the "Site").

With the assistance of Contractor, DISH desires to install wireless communications equipment at the Site as part of its deployment of a wireless network.

Accordingly, DISH hereby authorizes Contractor to act on DISH's behalf in connection with obtaining all applicable use and zoning approvals, permits, consents, authorizations and other related documents from the applicable government authority ("Zoning Authority") so as to allow DISH, through its contractors, to install its equipment at a Site (the "Purpose").

DISH hereby acknowledges that Contractor may present this Letter of Limited Agency to the applicable Zoning Authority, after which Contractor may act on DISH's behalf to effectuate the Purpose. Contractor may deal directly with the Zoning Authority on all matters pertaining to the Purpose.

The above rights shall be self-operative, and no further documentation shall be necessary to confer said rights. This Letter of Limited Agency will remain in effect until rescinded in writing by DISH.

AGREED

DISH WIRELESS L.L.C.

By: Mordecai Fayas

Name: Mordecai Fayas

Title: Site Development Manager

EXHIBIT 2.05

LETTER OF AUTHORIZATION

APPLICATION FOR BUILDING PERMIT/ZONING/LAND USE ENTITLEMENTS

A

Dish Wireless Site ID Number: LALAX04490A

APN: 2480-014-001

Property Address: 755 N. Whitnall Hwy, Burbank, CA 91505

I, Erica L Hauck on behalf of American Lutheran Church of Burbank, Inc., Burbank, California, owner of the above described property, authorize DISH Wireless L.L.C., a Colorado limited liability company, and/or its authorized agent; Maximize Communication Group, Inc., its employees, representatives, agents, and/or consultants, to act as an agent on my behalf for the sole purpose of consummating any building and land-use permit applications, or any other discretionary entitlements necessary for the purpose of constructing and operating a wireless telecommunications facility. I understand that any application may be denied, modified, or approved with conditions, and that such conditions or modifications must be complied with prior to issuance of building permits.

I further understand that signing of this authorization in no way creates an obligation of any kind.

Signature of Property Owner(s): Erica L Hauck

Council President

American Lutheran Church Burbank

Date: Oct. 16 - 2023

EXHIBIT 3.01

Burbank Planning & Zoning Division
150 N 3rd St. #2
Burbank, CA 91502

8/21/2023

RE: Project Description and Location: LALAX04490A; 755 N. Whitnall Highway, Burbank, CA 91505 (the "Project")

To whom it may concern:

This letter responds to your request for information about the Project referenced above, specifically the potential to interfere with communication facilities located nearby and conformance with the Federal Communications Commission ("FCC") rules governing human exposure to radio frequency energy (see FCC OET Bulletin 65 guidelines). DISH Wireless L.L.C. ("DISH") shall comply with all FCC rules regarding interference with other radio services and all FCC rules concerning human exposure to radio frequency energy.

The FCC has granted licenses for the use of certain radio frequencies exclusively by wireless service provides, including DISH. Each wireless service provider uses specific frequencies (channels) on which to transmit and receive radio signals. Pursuant to these licenses, DISH is authorized to provide wireless service nationwide.

Wireless transmitters must be type-accepted by the FCC to ensure compliance with technical standards that limit the frequencies, output power, radio frequency emissions, spurious radio noise, and other technical parameters. Wireless licensees like DISH are required to use type-accepted equipment. The assignment of frequencies and the FCC rules keep cellular radio signals from interfering with, or being interfered with by, other radio transmissions and provide guidelines outlining the limits for permissible human radio frequency exposure.

DISH shall comply with all FCC rules regarding interference to other radio services and human exposure to radio frequency energy. In the unlikely event that interference does occur, DISH agrees to fully cooperate with the entity experiencing interference to identify and correct, to the extent reasonably possible, any issues caused by the DISH installation.

Very truly yours,

Harshad Dighe
RF Engineer, Los Angeles - North

EXHIBIT 3.02

ULS License

600 MHz Band License - WQZM458 - ParkerB.com Wireless L.L.C.

Call Sign	WQZM458	Radio Service	WT - 600 MHz Band
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?	No

Reserved Spectrum

Reserved Spectrum	No

Market

Market	PEA002 - Los Angeles, CA	Channel Block	B
Submarket	0	Associated Frequencies (MHz)	000622.00000000-000627.00000000 000668.00000000-000673.00000000
3.7 GHz License Type		3.7 GHz Linked License	

Dates

Grant	06/14/2017	Expiration	06/14/2029
Effective	09/11/2020	Cancellation	

Buildout Deadlines

1st		2nd	06/14/2025

Discontinuance Dates

1st		2nd	

Notification Dates

1st		2nd	

Licensee

FRN	0025268459	Type	Limited Liability Company

Licensee

ParkerB.com Wireless L.L.C.
P.O. Box 6663
Engelwood, CO 80155
ATTN Jeffrey Blum

P:(720)250-6973
E:jeffrey.blum@dish.com

Contact

ParkerB.com Wireless L.L.C.
Jeffrey Blum
1110 Vermont Ave., NW, Suite 750
Washington, DC 20005

P:(720)250-6973
E:jeffrey.blum@dish.com

Ownership and Qualifications

Radio Service Type	Fixed, Mobile		
Regulatory Status	Common Carrier, Non-Common Carrier, Private Comm	Interconnected	Yes

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications

Has the applicant or any party to this application had any FCC station authorization, license or construction permit revoked or had any application for an initial, modification or renewal of FCC station authorization, license or construction permit denied by the Commission?	**Yes**
Has the applicant or any party to this application, or any party directly or indirectly controlling the applicant, ever been convicted of a felony by any state or federal court?	No
Has any court finally adjudged the applicant or any party directly or indirectly controlling the applicant guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement, or any other means or unfair methods of competition?	No

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity

Gender

ULS License

AWS-4 (2000-2020 MHz and 2180-2200 MHz) License - T060430160 - Gamma Acquisition L.L.C.

Call Sign	T060430160	Radio Service	AD - AWS-4 (2000-2020 MHz and 2180-2200 MHz)
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	BEA160 - Los Angeles-Riverside-Orange County, CA-AZ	Channel Block	A
Submarket	0	Associated Frequencies (MHz)	002000.00000000-002010.00000000 002180.00000000-002190.00000000
3.7 GHz License Type		3.7 GHz Linked License	

Dates

Grant	03/07/2013	Expiration	06/14/2023
Effective	09/11/2020	Cancellation	

Buildout Deadlines

1st	03/07/2017	2nd	06/14/2023

Discontinuance Dates

1st		2nd	

Notification Dates

1st	03/07/2017	2nd	

Licensee

FRN	0021004817	Type	Limited Liability Company

Licensee

Gamma Acquisition L.L.C. P:(202)463-3709

1110 Vermont Avenue NW Suite 750
Washington, DC 20005
ATTN Alison Minea

F:(720)514-7603
E:alison.minea@dish.com

Contact

DISH Network Corporation

1110 Vermont Ave NW Suite 750
Washington, DC 20005
ATTN Alison Minea

P:(202)463-3709
F:(720)514-7603
E:alison.minea@dish.com

Ownership and Qualifications

Radio Service Type	Fixed, Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity

Gender

ULS License

600 MHz Band License - WQZM457 - ParkerB.com Wireless L.L.C.

Call Sign	WQZM457	Radio Service	WT - 600 MHz Band
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?	No

Reserved Spectrum

Reserved Spectrum	No

Market

Market	PEA002 - Los Angeles, CA	Channel Block	A
Submarket	0	Associated Frequencies (MHz)	000617.00000000-000622.00000000 000663.00000000-000668.00000000
3.7 GHz License Type		3.7 GHz Linked License	

Dates

Grant	06/14/2017	Expiration	06/14/2029
Effective	09/11/2020	Cancellation	

Buildout Deadlines

1st		2nd	06/14/2025

Discontinuance Dates

1st	2nd

Notification Dates

1st	2nd

Licensee

FRN	0025268459	Type	Limited Liability Company

Licensee

ParkerB.com Wireless L.L.C.
P.O. Box 6663
Engelwood, CO 80155
ATTN Jeffrey Blum

P:(720)250-6973
E:jeffrey.blum@dish.com

Contact

ParkerB.com Wireless L.L.C.
Jeffrey Blum
1110 Vermont Ave., NW, Suite 750
Washington, DC 20005

P:(720)250-6973
E:jeffrey.blum@dish.com

Ownership and Qualifications

Radio Service Type	Fixed, Mobile		
Regulatory Status	Common Carrier, Non-Common Carrier, Private Comm	Interconnected	Yes

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications

Has the applicant or any party to this application had any FCC station authorization, license or construction permit revoked or had any application for an initial, modification or renewal of FCC station authorization, license or construction permit denied by the Commission?	**Yes**
Has the applicant or any party to this application, or any party directly or indirectly controlling the applicant, ever been convicted of a felony by any state or federal court?	**No**
Has any court finally adjudged the applicant or any party directly or indirectly controlling the applicant guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement, or any other means or unfair methods of competition?	**No**

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity

Gender

EXHIBIT 3.15

Optional Checklist for Local Government
To Determine Whether a Facility is Categorically Excluded

Purpose: The FCC has determined that many wireless facilities are unlikely to cause human exposures in excess of RF exposure guidelines. Operators of those facilities are exempt from routinely having to determine their compliance. These facilities are termed "categorically excluded." Section 1.1307(b)(1) of the Commission's rules defines those categorically excluded facilities. This checklist will assist state and local government agencies in identifying those wireless facilities that are categorically excluded, and thus are highly unlikely to cause exposure in excess of the FCC's guidelines. Provision of the information identified on this checklist may also assist FCC staff in evaluating any inquiry regarding a facility's compliance with the RF exposure guidelines.

BACKGROUND INFORMATION

1. Facility Operator's Legal Name: Dish Wireless
2. Facility Operator's Mailing Address: 7545 Irvine Center Drive, Suite 200, Irvine, CA 92618
3. Facility Operator's Contact Name/Title: Elijah Harris / Project Manager
4. Facility Operator's Office Telephone: 407-761-4251
5. Facility Operator's Fax: _____
6. Facility Name: LALAX04490A / American Lutheran Church
7. Facility Address: 755 N. Whitnall Hwy
8. Facility City/Community: Burbank
9. Facility State and Zip Code: CA 91505
10. Latitude: 34.164003
11. Longitude: -118.345639

continue →

Optional Local Government Checklist (page 2)

EVALUATION OF CATEGORICAL EXCLUSION

12. Licensed Radio Service (see attached Table 1): PCS
13. Structure Type (free-standing or building/roof-mounted): Rooftop
14. Antenna Type [omnidirectional or directional (includes sectored)]: Directional
15. Height above ground of the lowest point of the antenna (in meters): 11.58
16. ☐ Check if all of the following are true:
    (a) This facility will be operated in the Multipoint Distribution Service, Paging and Radiotelephone Service, Cellular Radiotelephone Service, Narrowband or Broadband Personal Communications Service, Private Land Mobile Radio Services Paging Operations, Private Land Mobile Radio Service Specialized Mobile Radio, Local Multipoint Distribution Service, or service regulated under Part 74, Subpart I (see question 12).
    (b) This facility will not be mounted on a building (see question 13).
    (c) The lowest point of the antenna will be at least 10 meters above the ground (see question 15).

If box 16 is checked, this facility is categorically excluded and is unlikely to cause exposure in excess of the FCC's guidelines. The remainder of the checklist need not be completed. If box 16 is not checked, continue to question 17.

17. Enter the power threshold for categorical exclusion for this service from the attached Table 1 in watts ERP or EIRP* (note: EIRP = (1.64) X ERP): 1000W ERP
18. Enter the total number of channels if this will be an omnidirectional antenna, or the maximum number of channels in any sector if this will be a sectored antenna: 2
19. Enter the ERP or EIRP per channel (using the same units as in question 17): 228 W
20. Multiply answer 18 by answer 19: 456 W
21. Is the answer to question 20 less than or equal to the value from question 17 (yes or no)? Yes

If the answer to question 21 is YES, this facility is categorically excluded. It is unlikely to cause exposure in excess of the FCC's guidelines.

If the answer to question 21 is NO, this facility is not categorically excluded. Further investigation may be appropriate to verify whether the facility may cause exposure in excess of the FCC's guidelines.

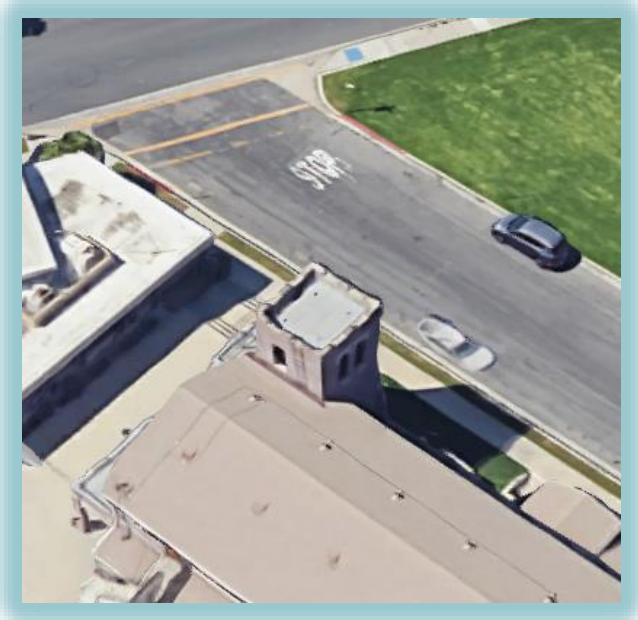
*"ERP" means "effective radiated power" and "EIRP" means "effective isotropic radiated power

EXHIBIT 3.15-A

Radio Frequency - Electromagnetic Energy (RF-EME) Report

Site No. LALAX04490A
755 North Whitnall Highway
Burbank, California 91505
34° 9' 50.41" N, -118° 20' 44.30" W NAD83

EBI Project No. 6223003531
September 12, 2023



Prepared for:

DISH Wireless

Prepared by:

EBI Consulting
environmental | engineering | due diligence

TABLE OF CONTENTS

APPENDICES

REFERENCE DOCUMENTS (NOT ATTACHED)

CDs: LALAX04490A_ZD_20230825103347

RFDS: RFDS-LALAX04490A-PRELIMINARY-20220602-V.2_20220602230740

EXECUTIVE SUMMARY

Purpose of Report

EnviroBusiness Inc. (dba EBI Consulting) has been contracted by DISH Wireless to conduct radio frequency electromagnetic (RF-EME) modeling for DISH Wireless Site LALAX04490A located at 755 North Whitnall Highway in Burbank, California to determine RF-EME exposure levels from proposed DISH Wireless communications equipment at this site. As described in greater detail in Appendix C of this report, the Federal Communications Commission (FCC) has developed Maximum Permissible Exposure (MPE) Limits for the general public and for occupational activities. This report summarizes the results of RF-EME modeling in relation to relevant FCC RF-EME compliance standards for limiting human exposure to RF-EME fields.

Statement of Compliance

A site is considered out of compliance with FCC regulations if there are areas that exceed the FCC exposure limits and there are no RF hazard mitigation measures in place. Any carrier which has an installation that contributes more than 5% of the applicable MPE must participate in mitigating these RF hazards.

As presented in the sections below, based on worst-case predictive modeling, the worst-case emitted power density may exceed the FCC's general public limit within approximately 67 feet of DISH's proposed antennas at the penthouse roof level. Modeling also indicates that the worst-case emitted power density may exceed the FCC's occupational limit within approximately 20 feet of DISH's proposed antennas at the penthouse roof level. Additionally, there are areas where workers who may be elevated above the rooftop and ground may be exposed to power densities greater than the occupational limits. Therefore, workers should be informed about the presence and locations of antennas and their associated fields.

At the nearest walking/working surfaces to the DISH Wireless antennas, the maximum power density generated by the DISH antennas is approximately **2,264.42** percent of the FCC's general public limit (**452.88** percent of the FCC's occupational limit).

The composite exposure level from all carriers on this site is approximately **2,264.42** percent of the FCC's general public limit (**452.88** percent of the FCC's occupational limit) at the nearest walking/working surface to each antenna. At ground level, the composite exposure level from all carriers on this site is approximately **7.83** percent of the FCC's general public limit (**1.566** percent of the FCC's occupational limit).

Recommended control measures are outlined in Section 4.0 and within the Site Safety Plan (attached); DISH Wireless should also provide procedures to shut down and lockout/tagout this wireless equipment in accordance with their own standard operating protocol. Non-telecom workers who will be working in areas of exceedance are required to contact DISH Wireless since only DISH has the ability to lockout/tagout the facility, or to authorize others to do so.

Implementation of the signage recommended in the Site Safety Plan and in this report will bring this site into compliance with the FCC's rules and regulations.

1.0 INTRODUCTION

Radio frequency waves are electromagnetic waves from the portion of the electromagnetic spectrum at frequencies lower than visible light and microwaves. The wavelengths of radio waves range from thousands of meters to around 30 centimeters. These wavelengths correspond to frequencies as low as 3 cycles per second (or hertz [Hz]) to as high as one gigahertz (one billion cycles per second).

Personal Communication (PCS) facilities used by DISH Wireless in this area will potentially operate within a frequency range of 600 to 5000 MHz. Facilities typically consist of: 1) electronic transceivers (the radios or cabinets) connected to wired telephone lines; and 2) antennas that send the wireless signals created by the transceivers to be received by individual subscriber units (PCS telephones). Transceivers are typically connected to antennas by coaxial cables.

Because of the short wavelength of PCS services, the antennas require line-of-site paths for good propagation and are typically installed a distance above ground level. Antennas are constructed to concentrate energy towards the horizon with as little energy as possible scattered towards the ground or the sky. This design, combined with the low power of PCS facilities, generally results in no possibility for exposure to approach Maximum Permissible Exposure (MPE) levels, with the exception of in areas in the immediate vicinity of the antennas.

MPE limits do not represent levels where a health risk exists since they are designed to provide a substantial margin of safety. These limits apply for continuous exposures and are intended to provide a prudent margin of safety for all persons regardless of age, gender, size, or health.

2.0 SITE DESCRIPTION

This project site includes the following proposed wireless telecommunication antennas on a rooftop located at 755 North Whitnall Highway in Burbank, California.

Ant #	Operator	Antenna Make	Antenna Model	Frequency (MHz)	Azimuth (°)	Mechanical Downtilt (°)	Horizontal Beamwidth (°)	Aperture (feet)	Total Power Input (Watts)	Gain (dBd)	Total ERP (Watts)	Total EIRP (Watts)
1	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 02DT 600	600	50	3	71	6.0	120	12.55	1923.89	3155.19
1	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 02DT 700	700	50	3	65	6.0	120	13.35	2313.03	3793.37
1	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 01DT 1900	1900	50	3	64	6.0	160	17.35	7746.76	12704.68
1	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 01DT 2100	2100	50	3	67	6.0	160	17.75	8494.15	13930.41
2	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 02DT 600	600	50	3	71	6.0	120	12.55	1923.89	3155.19
2	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 02DT 700	700	50	3	65	6.0	120	13.35	2313.03	3793.37
2	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 01DT 1900	1900	50	3	64	6.0	160	17.35	7746.76	12704.68
2	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 01DT 2100	2100	50	3	67	6.0	160	17.75	8494.15	13930.41
3	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 02DT 600	600	160	2	71	6.0	120	12.55	1923.89	3155.19
3	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 02DT 700	700	160	2	65	6.0	120	13.35	2313.03	3793.37
3	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 01DT 1900	1900	160	2	64	6.0	160	17.35	7746.76	12704.68
3	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 01DT 2100	2100	160	2	67	6.0	160	17.75	8494.15	13930.41
4	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 02DT 600	600	160	2	71	6.0	120	12.55	1923.89	3155.19
4	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 02DT 700	700	160	2	65	6.0	120	13.35	2313.03	3793.37
4	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 01DT 1900	1900	160	2	64	6.0	160	17.35	7746.76	12704.68
4	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 01DT 2100	2100	160	2	67	6.0	160	17.75	8494.15	13930.41
5	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 02DT 600	600	290	0	71	6.0	120	12.55	1923.89	3155.19

Ant #	Operator	Antenna Make	Antenna Model	Frequency (MHz)	Azimuth (°)	Mechanical Downtilt (°)	Horizontal Beamwidth (°)	Aperture (feet)	Total Power Input (Watts)	Gain (dBd)	Total ERP (Watts)	Total EIRP (Watts)
5	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 02DT 700	700	290	0	65	6.0	120	13.35	2313.03	3793.37
5	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 01DT 1900	1900	290	0	64	6.0	160	17.35	7746.76	12704.68
5	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 01DT 2100	2100	290	0	67	6.0	160	17.75	8494.15	13930.41
6	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 02DT 600	600	290	0	71	6.0	120	12.55	1923.89	3155.19
6	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 02DT 700	700	290	0	65	6.0	120	13.35	2313.03	3793.37
6	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 01DT 1900	1900	290	0	64	6.0	160	17.35	7746.76	12704.68
6	DISH	CELLMAX	CMA-UBTULBULBHH-6516-16-21-21 01DT 2100	2100	290	0	67	6.0	160	17.75	8494.15	13930.41

• Note there are 2 DISH Wireless antennas per sector at this site. For clarity, the different frequencies for each antenna are entered on separate lines.

Ant #	NAME	X	Y	Antenna Radiation Centerline	Z-Height Steeple (Penthouse)	Z-Height Sloped Roof	Z-Height Adjacent Building	Z-Height Lower Roof & Adjacent Roof	Z-Height Ground
1	DISH	87.0	5.0	40.0	6.7	10.7	23.0	30.0	40.0
2	DISH	91.8	10.7	40.0	6.7	10.7	23.0	30.0	40.0
3	DISH	89.6	15.5	40.0	6.7	10.7	23.0	30.0	40.0
4	DISH	82.8	16.5	40.0	6.7	10.7	23.0	30.0	40.0
5	DISH	80.3	11.3	40.0	6.7	10.7	23.0	30.0	40.0
6	DISH	82.1	6.8	40.0	6.7	10.7	23.0	30.0	40.0

• Note the Z-Height represents the distance from the antenna centerline in feet.

The above tables contain an inventory of proposed DISH Wireless antennas and other carrier antennas if sufficient information was available to model them. Note that EBI uses an assumed set of antenna specifications and powers for unknown and other carrier antennas for modeling purposes. The FCC guidelines incorporate two separate tiers of exposure limits that are based upon occupational/controlled exposure limits (for workers) and general population/uncontrolled exposure limits for members of the general public that may be exposed to antenna fields. While access to this site is considered uncontrolled, the analysis has considered exposures with respect to both controlled and uncontrolled limits as an untrained worker may access adjacent rooftop locations. Additional information regarding controlled/uncontrolled exposure limits is provided in Appendix C. Appendix B presents a site safety plan that provides a plan view of the rooftop with antenna locations.

3.0 WORST-CASE PREDICTIVE MODELING

EBI has performed theoretical MPE modeling using RoofMaster™ software to estimate the worst-case power density at the site's nearby broadcast levels resulting from operation of the antennas. RoofMaster™ is a widely-used predictive modeling program that has been developed by Waterford Consultants to predict RF power density values for rooftop and tower telecommunications sites produced by vertical collinear antennas that are typically used in the cellular, PCS, paging and other communications services. Using the computational methods set forth in Federal Communications Commission (FCC) Office of Engineering & Technology (OET) Bulletin 65, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields" (OET-65), RoofMaster™ calculates predicted power density in a scalable grid based on the contributions of all RF sources characterized in the study scenario.

At each grid location, the cumulative power density is expressed as a percentage of the FCC limits. Manufacturer antenna pattern data is utilized in these calculations. RoofMaster™ models consist of the Far Field model as specified in OET-65 and an implementation of the OET-65 Cylindrical Model (Sula9). The models utilize several operational specifications for different types of antennas to produce a plot of spatially-averaged power densities that can be expressed as a percentage of the applicable exposure limit.

For this report, EBI utilized antenna and power data provided by DISH Wireless and compared the resultant worst-case MPE levels to the FCC's occupational/controlled exposure limits outlined in OET Bulletin 65. The assumptions used in the modeling are based upon information provided by DISH Wireless and information gathered from other sources. Elevations of walking/working surfaces were estimated based on elevations provided and available aerial imagery. Sector orientation assignments were made assuming coverage is directed to areas of site. Changes to antenna mount heights or placement will impact site compliance. The parameters used for modeling are summarized in the Site Description antenna inventory table in Section 2.0.

There are no other wireless carriers with equipment installed at this site.

Based on worst-case predictive modeling, the worst-case emitted power density may exceed the FCC's general public limit within approximately 63, 67, and 45 feet of DISH Wireless's Sector A, B, and C antennas, respectively, on the steeple roof level, and 12 feet of Dish Wireless's Sector B antennas on the sloped roof. Modeling also indicates that the worst-case emitted power density may exceed the FCC's occupational limit within approximately 20, 17, and 16 feet of DISH Wireless's Sector A, B, and C antennas on the steeple roof level.

At the nearest walking/working surfaces to the DISH Wireless antennas, the maximum power density generated by the DISH Wireless antennas is approximately 2,264.42 percent of the FCC's general public limit (452.88 percent of the FCC's occupational limit). The composite exposure level from all carriers on this site is approximately 2,264.42 percent of the FCC's general public limit (452.88 percent of the FCC's occupational limit) at the nearest walking/working surface to each antenna. At ground level, the composite exposure level from all carriers on this site is approximately 7.83 percent of the FCC's general public limit (1.566 percent of the FCC's occupational limit).

The Site Safety Plan also presents areas where DISH Wireless antennas contribute greater than 5% of the applicable MPE limit for a site. A site is considered out of compliance with FCC regulations if there are areas that exceed the FCC exposure limits and there are no RF hazard mitigation measures in place. Any carrier which has an installation that contributes more than 5% of the applicable MPE must participate in mitigating these RF hazards.

The inputs used in the modeling are summarized in the Site Description antenna inventory table in Section 2.0. A graphical representation of the RoofMaster™ modeling results is presented in Appendix B.

4.0 MITIGATION/SITE CONTROL OPTIONS

EBI's modeling indicates that there are areas in front of the DISH Wireless antennas that exceed the FCC standards for general public and occupational exposure. In order to alert people accessing the rooftop, a blue Notice sign, a Guidelines sign and an NOC Information are recommended for installation at each access point to the sloped roof. Additionally, a yellow Caution sign, a Guidelines sign, and an NOC Information sign is recommended at the access point to the church steeple. Yellow Caution signs are recommended for installation behind the DISH Wireless Sector A, B, and C antennas. These signs must be placed in a conspicuous manner so that they are visible to any person approaching the antennas from any direction.

Barriers are recommended for installation when possible to block access to the areas in front of the antennas that exceed the FCC general public and/or occupational limits. Barriers may consist of rope, chain, or fencing. Painted stripes should only be used as a last resort. Barriers are not recommended on the steeple roof because the existing antenna support structures serve as a barrier to the area in front of the antennas. Barriers are also not recommended on the sloped roof because the sloped roof significantly limits access by unauthorized persons to areas directly in front of the antennas. However, EBI recommends that Dish and the landlord take additional measures to ensure that persons accessing the sloped roof (for example, roofers or other maintenance worker) are informed of areas where RF levels exceed the FCC general public limit and are made aware that these areas must be avoided to maintain compliance with FCC requirements. It is recommended that the landlord distribute this report to anyone accessing the sloped roof and ask for confirmation that it has been read and understood.

These protocols and recommended control measures have been summarized and included with a graphic representation of the antennas and associated signage and control areas in a RF-EME Site Safety Plan, which is included as Appendix B. Individuals and workers accessing the rooftop should be provided with a copy of the attached Site Safety Plan, made aware of the posted signage, and signify their understanding of the Site Safety Plan.

To reduce the risk of exposure, EBI recommends that access to areas associated with the active antenna installation be restricted and secured where possible. All workers and individuals, including arborists and landscapers, accessing the rooftop along with nearby elevated structures or trees within areas exceeding the general public MPE must be made aware of the presence and locations of antennas and their associated fields, where applicable.

Implementation of the signage recommended in the Site Safety Plan and in this report will bring this site into compliance with the FCC's rules and regulations.

5.0 SUMMARY AND CONCLUSIONS

EBI has prepared a Radiofrequency – Electromagnetic Energy (RF-EME) Compliance Report for telecommunications equipment installed by DISH Wireless Site Number LALAX04490A located at 755 North Whitnall Highway in Burbank, California to determine worst-case predicted RF-EME exposure levels from wireless communications equipment installed at this site. This report summarizes the results of RF-EME modeling in relation to relevant Federal Communications Commission (FCC) RF-EME compliance standards for limiting human exposure to RF-EME fields.

As presented in the sections above, based on the FCC criteria, the worst-case emitted power density may exceed the FCC's general public limit within approximately 67 feet of DISH's proposed antennas at the penthouse roof level. Modeling also indicates that the worst-case emitted power density may exceed the FCC's occupational limit within approximately 20 feet of DISH's proposed antennas at the penthouse roof level.

Workers should be informed about the presence and locations of antennas and their associated fields. Recommended control measures are outlined in Section 4.0 and within the Site Safety Plan (attached); DISH Wireless should also provide procedures to shut down and lockout/tagout this wireless equipment in accordance with their own standard operating protocol. Non-telecom workers who will be working in areas of exceedance are required to contact DISH Wireless since only DISH Wireless has the ability to lockout/tagout the facility, or to authorize others to do so.

6.0 LIMITATIONS

This report was prepared for the use of DISH Wireless. It was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same locale

under like circumstances. The conclusions provided by EBI are based solely on the information provided by the client. The observations in this report are valid on the date of the investigation. Any additional information that becomes available concerning the site should be provided to EBI so that our conclusions may be revised and modified, if necessary. This report has been prepared in accordance with Standard Conditions for Engagement and authorized proposal, both of which are integral parts of this report. No other warranty, expressed or implied, is made.

Appendix A

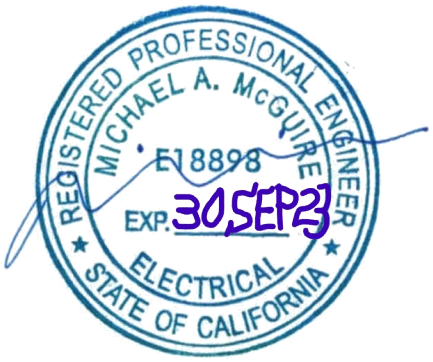
Certifications

Preparer Certification

I, Nathanial Boucher, state that:

- I am an employee of EnviroBusiness Inc. (d/b/a EBI Consulting), which provides RF-EME safety and compliance services to the wireless communications industry.
- I have successfully completed RF-EME safety training, and I am aware of the potential hazards from RF-EME and would be classified "occupational" under the FCC regulations.
- I am fully aware of and familiar with the Rules and Regulations of both the Federal Communications Commissions (FCC) and the Occupational Safety and Health Administration (OSHA) with regard to Human Exposure to Radio Frequency Radiation.
- I have reviewed the data provided by the client and incorporated it into this Site Compliance Report such that the information contained in this report is true and accurate to the best of my knowledge.

Reviewed and Approved by:



sealed 12sep2023

Michael McGuire
Electrical Engineer
mike@h2dc.com

Note that EBI's scope of work is limited to an evaluation of the Radio Frequency – Electromagnetic Energy (RF-EME) field generated by the antennas and broadcast equipment noted in this report. The engineering and design of the building and related structures, as well as the impact of the antennas and broadcast equipment on the structural integrity of the building, are specifically excluded from EBI's scope of work.

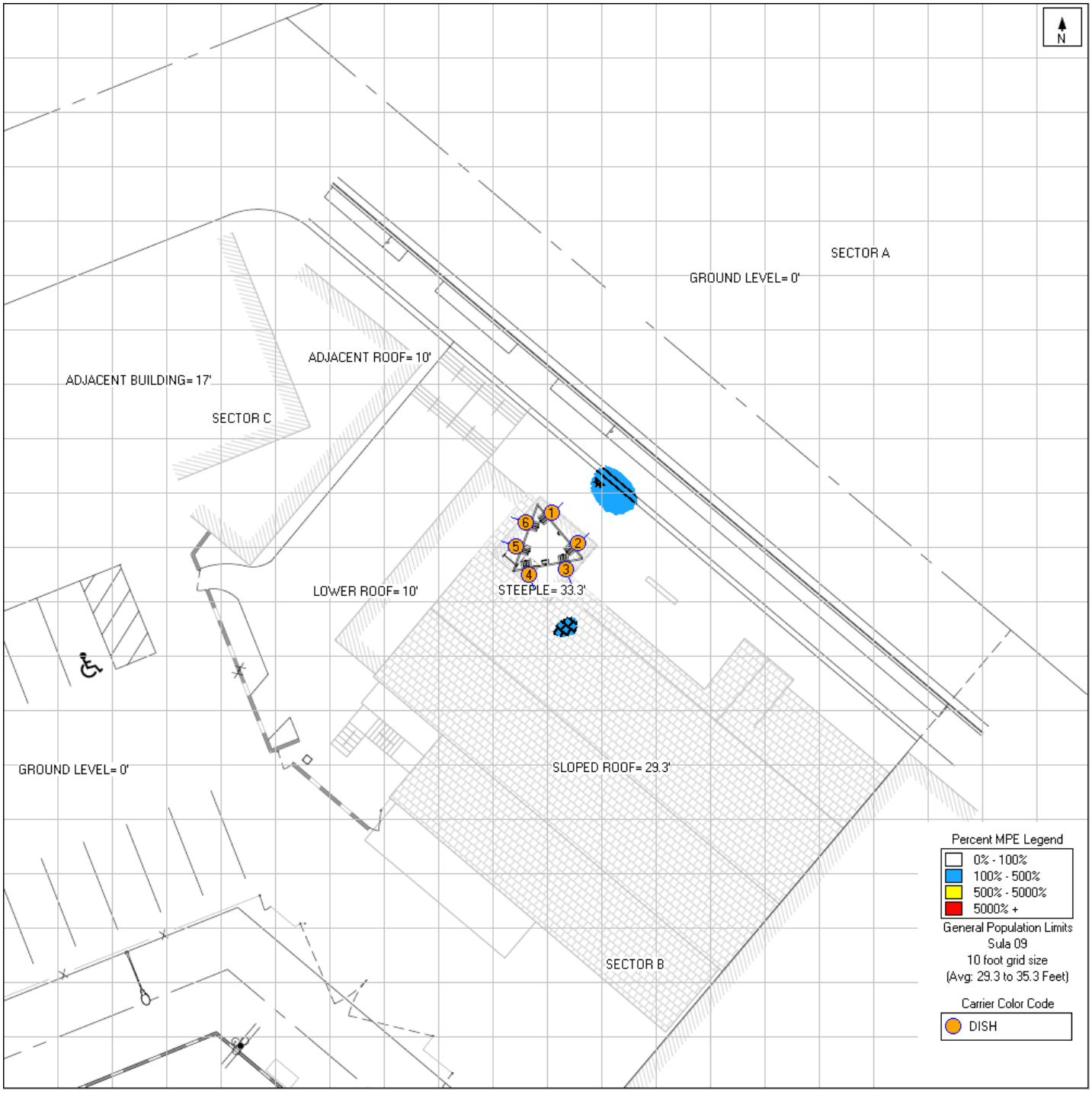
Appendix B

Radio Frequency Electromagnetic Energy

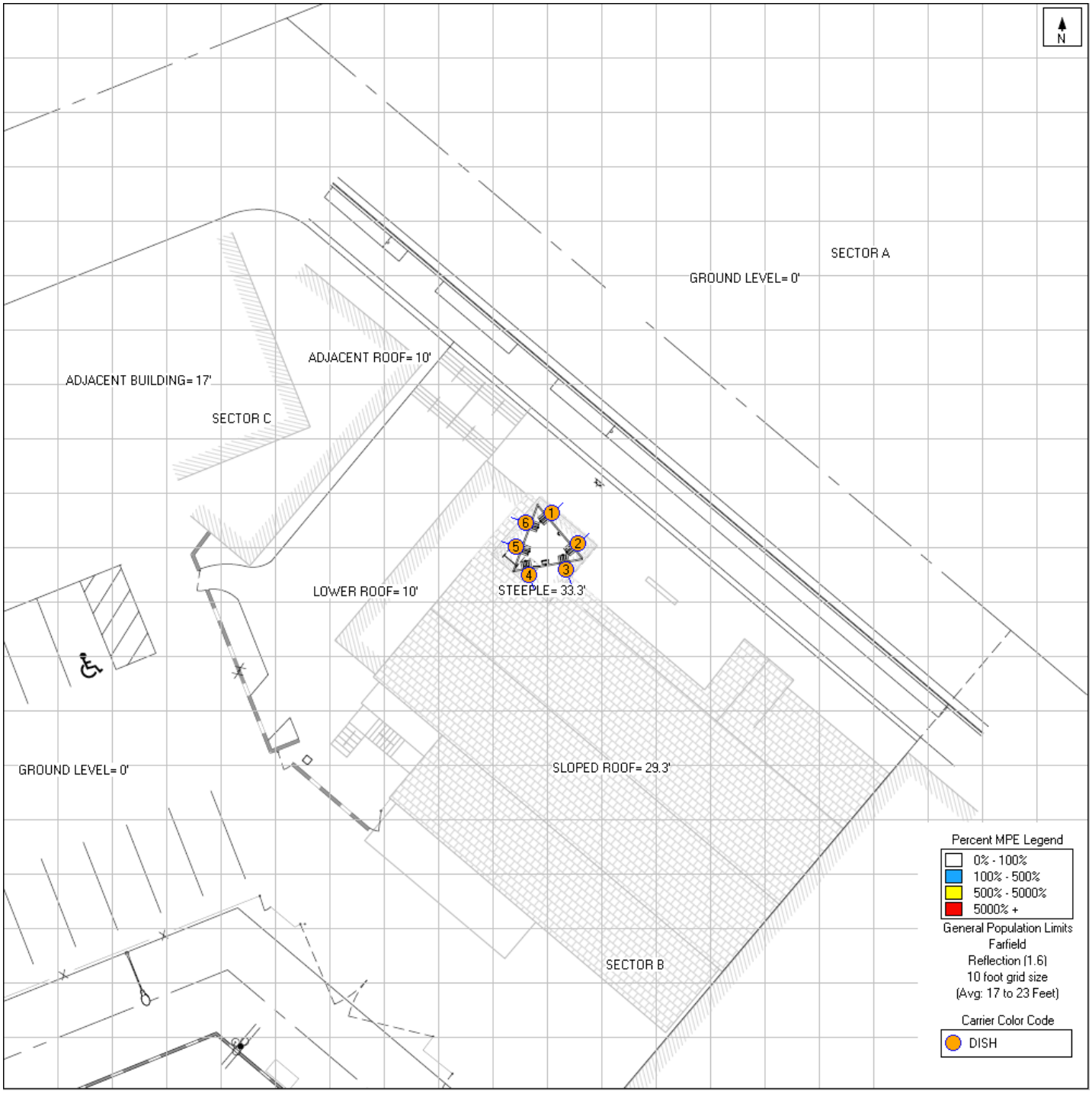
Safety Information and Signage Plans

Nearest Walking Surface (Steeple Roof Level) Simulation

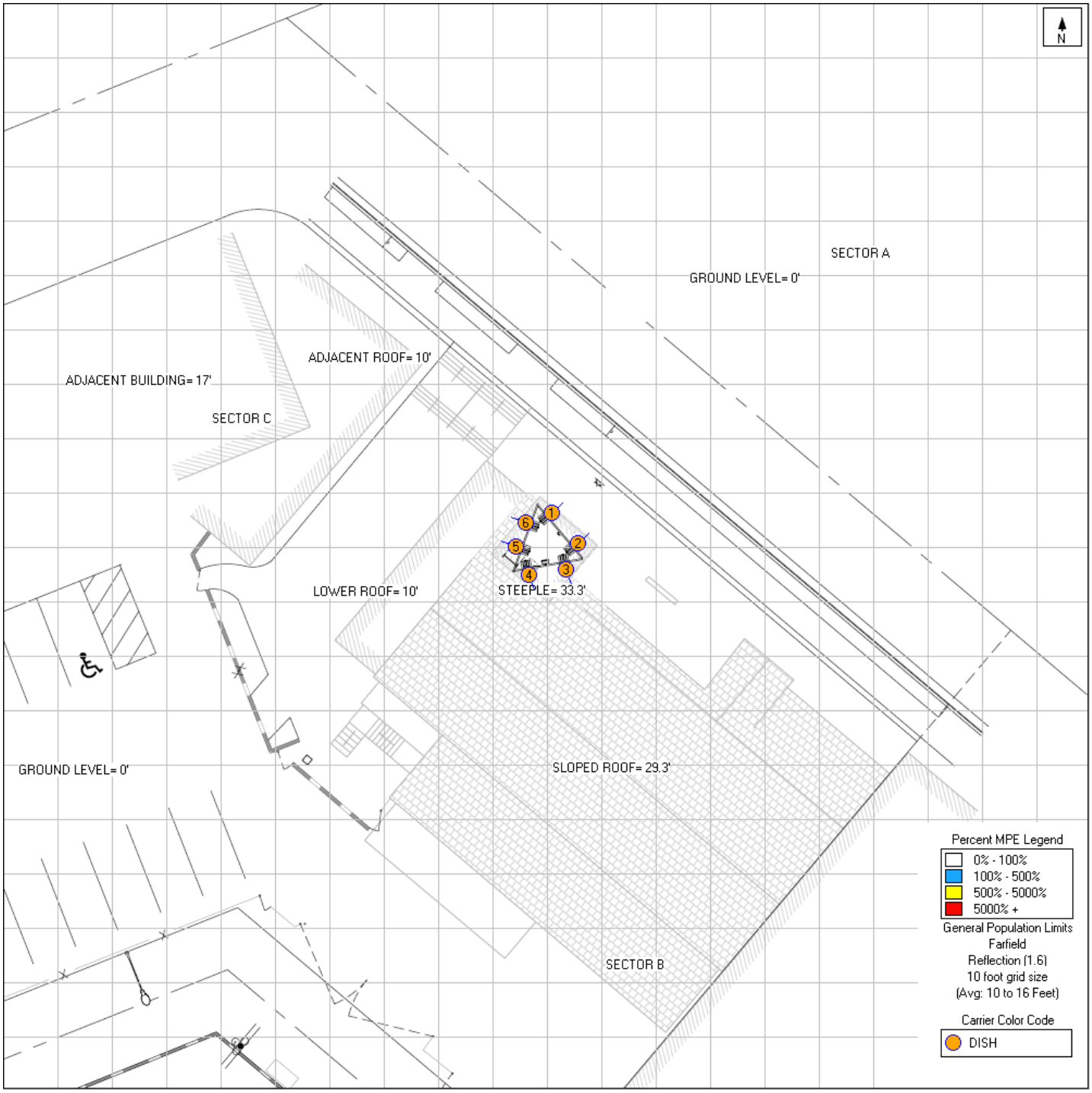
Sloped Roof Level Simulation



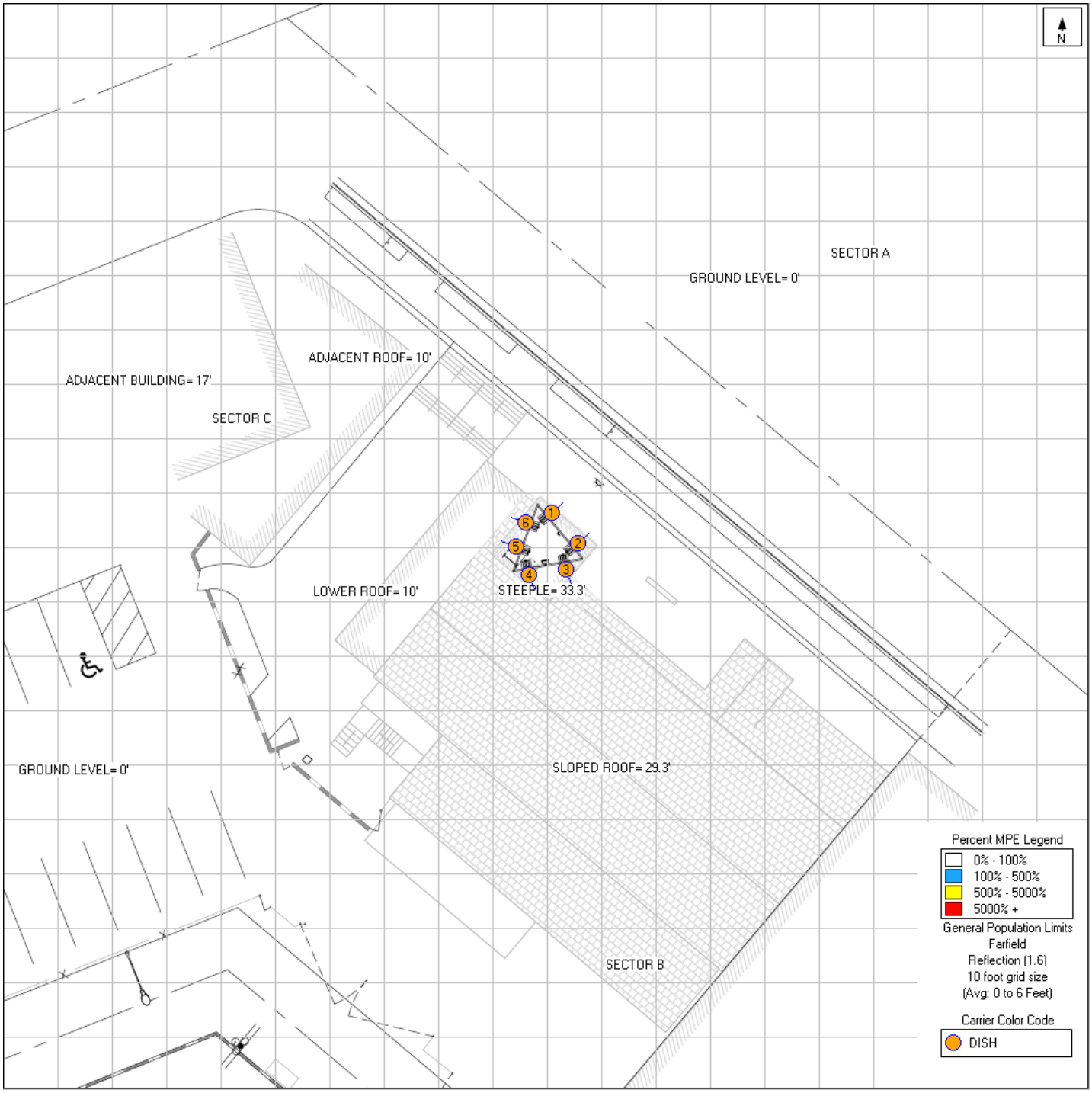
Adjacent Building Roof Level Simulation



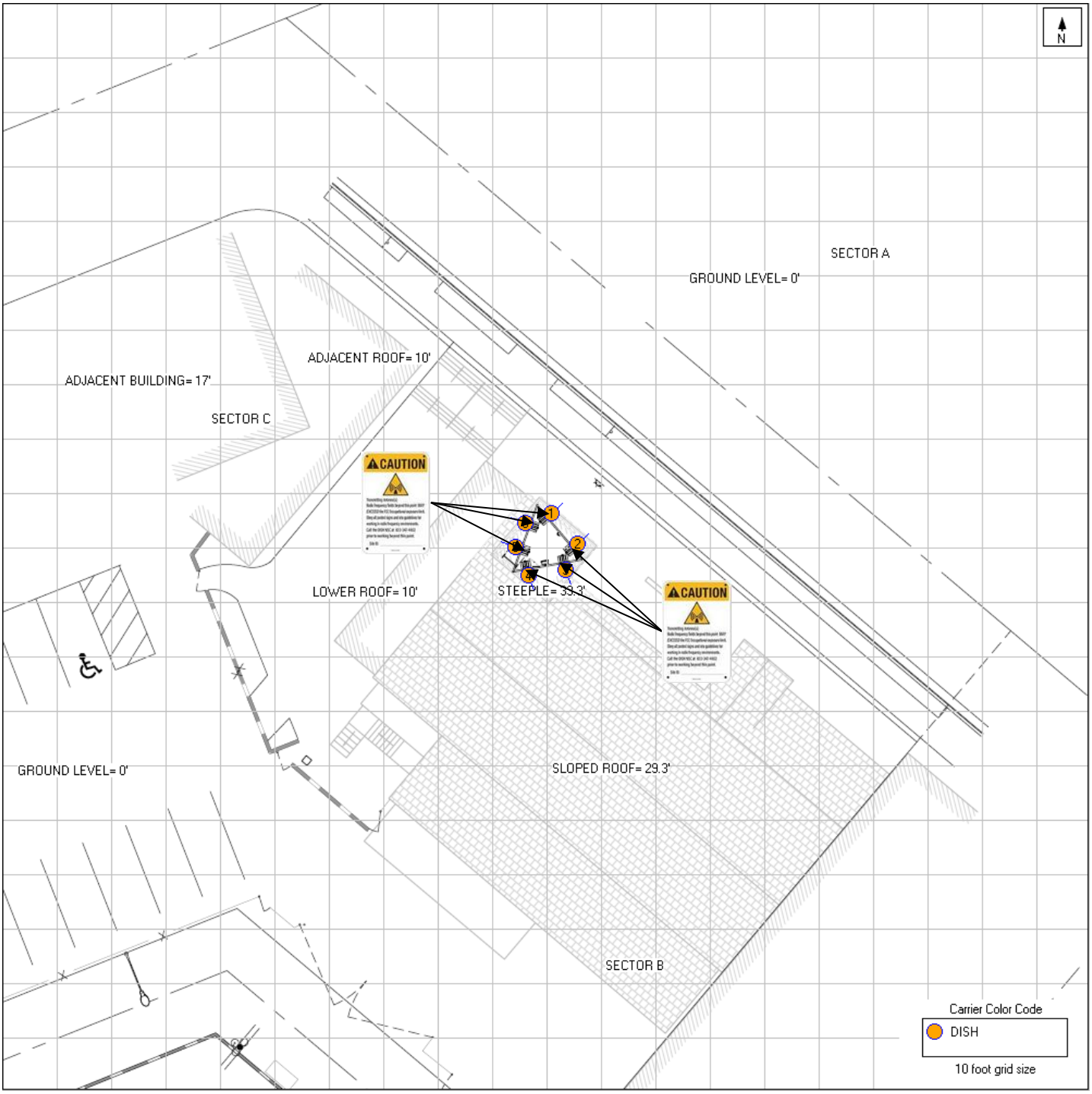
Adjacent and Lower Roof Level Simulation



Ground Level Simulation



DISH Wireless Safety (Signage) Plan



Post at all Sloped Roof Access Points

Post at all Steeple Access Points

Final Compliance Configuration						
	GUIDELINES	NOTICE	CAUTION	WARNING	NOC INFO	BARRIER / MARKER
Access Point(s)	2+	1+	1+	0	2+	N/A
Alpha	0	0	2	0	0	N/A
Beta	0	0	2	0	0	N/A
Gamma	0	0	2	0	0	N/A

Sign	Posting Instructions	Required Signage / Mitigation
	**NOC Information** Information signs are used to provide contact information for any questions or concerns for personnel accessing the site.	Securely post at every point of access to the steeple and sloped roof in a manner conspicuous to all individuals entering thereon as indicated in the signage plan.
	**Guidelines** Informational sign used to notify workers that there are active antennas installed and provide guidelines for working in RF environments.	Securely post at every point of access to the steeple and sloped roof in a manner conspicuous to all individuals entering thereon as indicated in the signage plan.
	**Notice** Used to notify individuals they are entering an area where the power density emitted from transmitting antennas may exceed the FCC's MPE limit for the general public or occupational exposures.	Securely post at every point of access to the sloped roof in a manner conspicuous to all individuals entering thereon as indicated in the signage plan.
	**Caution** Used to notify individuals that they are entering a hot spot where either the general public or occupational FCC's MPE limit is or could be exceeded.	Securely post at every point of access to the steeple roof in a manner conspicuous to all individuals entering thereon as indicated in the signage plan. Securely Post behind the Sector A, B, and C antennas.
	**Warning** Used to notify individuals that they are entering a hot zone where the occupational FCC's MPE limit has been exceeded by 10x.	Signage not required.

Appendix C

Federal Communications

Commission (FCC) Requirements

The FCC has established Maximum Permissible Exposure (MPE) limits for human exposure to Radiofrequency Electromagnetic (RF-EME) energy fields, based on exposure limits recommended by the National Council on Radiation Protection and Measurements (NCRP) and, over a wide range of frequencies, the exposure limits developed by the Institute of Electrical and Electronics Engineers, Inc. (IEEE) and adopted by the American National Standards Institute (ANSI) to replace the 1982 ANSI guidelines. Limits for localized absorption are based on recommendations of both ANSI/IEEE and NCRP.

The FCC guidelines incorporate two separate tiers of exposure limits that are based upon occupational/controlled exposure limits (for workers) and general public/uncontrolled exposure limits for members of the general public.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/ controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general public/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

General public/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment-related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Table 1 and Figure 1 (below), which are included within the FCC's OET Bulletin 65, summarize the MPE limits for RF emissions. These limits are designed to provide a substantial margin of safety. They vary by frequency to take into account the different types of equipment that may be in operation at a particular facility and are "time-averaged" limits to reflect different durations resulting from controlled and uncontrolled exposures.

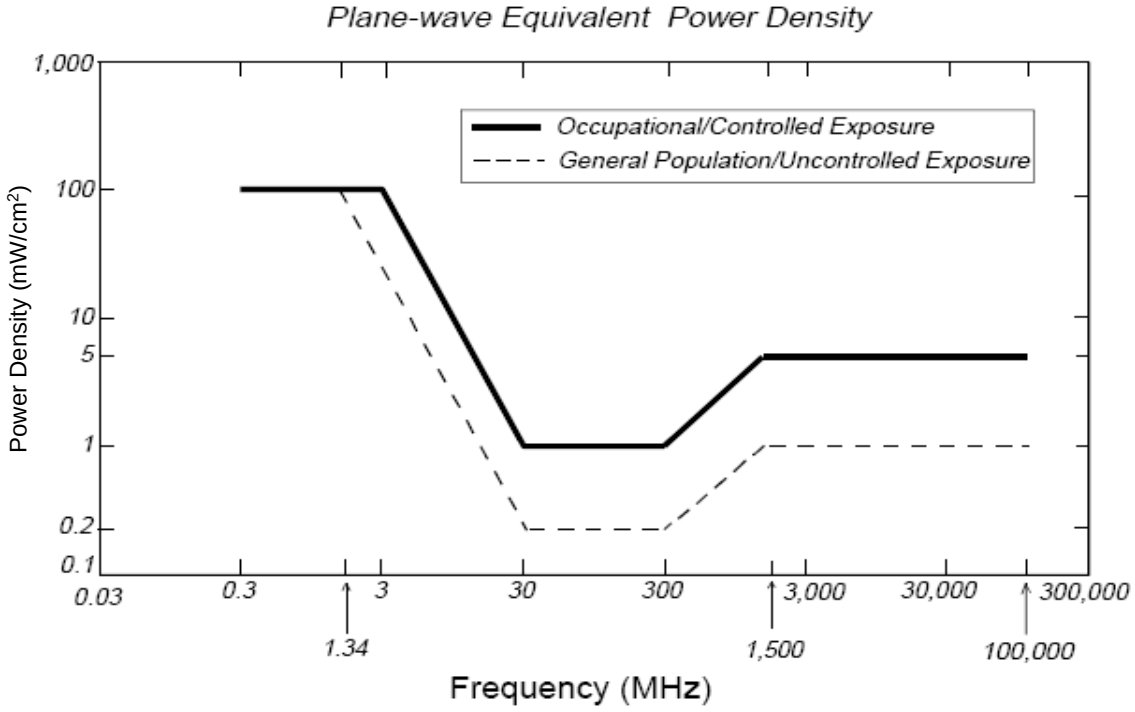
The FCC's MPEs are measured in terms of power (mW) over a unit surface area (cm^2). Known as the power density, the FCC has established an occupational MPE of 5 milliwatts per square centimeter (mW/cm^2) and an uncontrolled MPE of 1 mW/cm^2 for equipment operating in the 1900 MHz frequency range. For the DISH Wireless equipment operating at 600 MHz or 850 MHz, the FCC's occupational MPE is 2.83 mW/cm^2 and an uncontrolled MPE of 0.57 mW/cm^2. For the DISH Wireless equipment operating at 1900 MHz, the FCC's occupational MPE is 5.0 mW/cm^2 and an uncontrolled MPE limit of 1.0 mW/cm^2. These limits are considered protective of these populations.

Table 1: Limits for Maximum Permissible Exposure (MPE)				
(A) Limits for Occupational/Controlled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $[E]^2$, $[H]^2$, or S (minutes)**
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	($900/f^2$)*	6
30-300	61.4	0.163	1.0	6
300-1,500	--	--	f/300	6
1,500-100,000	--	--	5	6
(B) Limits for General Public/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $[E]^2$, $[H]^2$, or S (minutes)**
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1,500	--	--	f/1,500	30
1,500-100,000	--	--	1.0	30

f = Frequency in (MHz)

* Plane-wave equivalent power density

Figure 1. FCC Limits for Maximum Permissible Exposure (MPE)



Based on the above, the most restrictive thresholds for exposures of unlimited duration to RF energy for several personal wireless services are summarized below:

Personal Wireless Service	Approximate Frequency	Occupational MPE	Public MPE
Microwave (Point-to-Point)	5,000 - 80,000 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Broadband Radio (BRS)	2,600 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Wireless Communication (WCS)	2,300 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Advanced Wireless (AWS)	2,100 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Personal Communication (PCS)	1,950 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Cellular Telephone	870 MHz	2.90 mW/cm^2	0.58 mW/cm^2
Specialized Mobile Radio (SMR)	855 MHz	2.85 mW/cm^2	0.57 mW/cm^2
Long Term Evolution (LTE)	700 MHz	2.33 mW/cm^2	0.47 mW/cm^2
Most Restrictive Frequency Range	30-300 MHz	1.00 mW/cm^2	0.20 mW/cm^2

MPE limits are designed to provide a substantial margin of safety. These limits apply for continuous exposures and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health.

Personal Communication (PCS) facilities used by DISH Wireless in this area will potentially operate within a frequency range of 600 to 5000 MHz. Facilities typically consist of: 1) electronic transceivers (the radios or cabinets) connected to wired telephone lines; and 2) antennas that send the wireless signals created by the transceivers to be received by individual subscriber units (PCS telephones). Transceivers are typically connected to antennas by coaxial cables.

Because of the short wavelength of PCS services, the antennas require line-of-site paths for good propagation, and are typically installed above ground level. Antennas are constructed to concentrate energy towards the horizon, with as little energy as possible scattered towards the ground or the sky. This design, combined with the low power of PCS facilities, generally results in no possibility for exposure to approach Maximum Permissible Exposure (MPE) levels, with the exception of areas directly in front of the antennas.

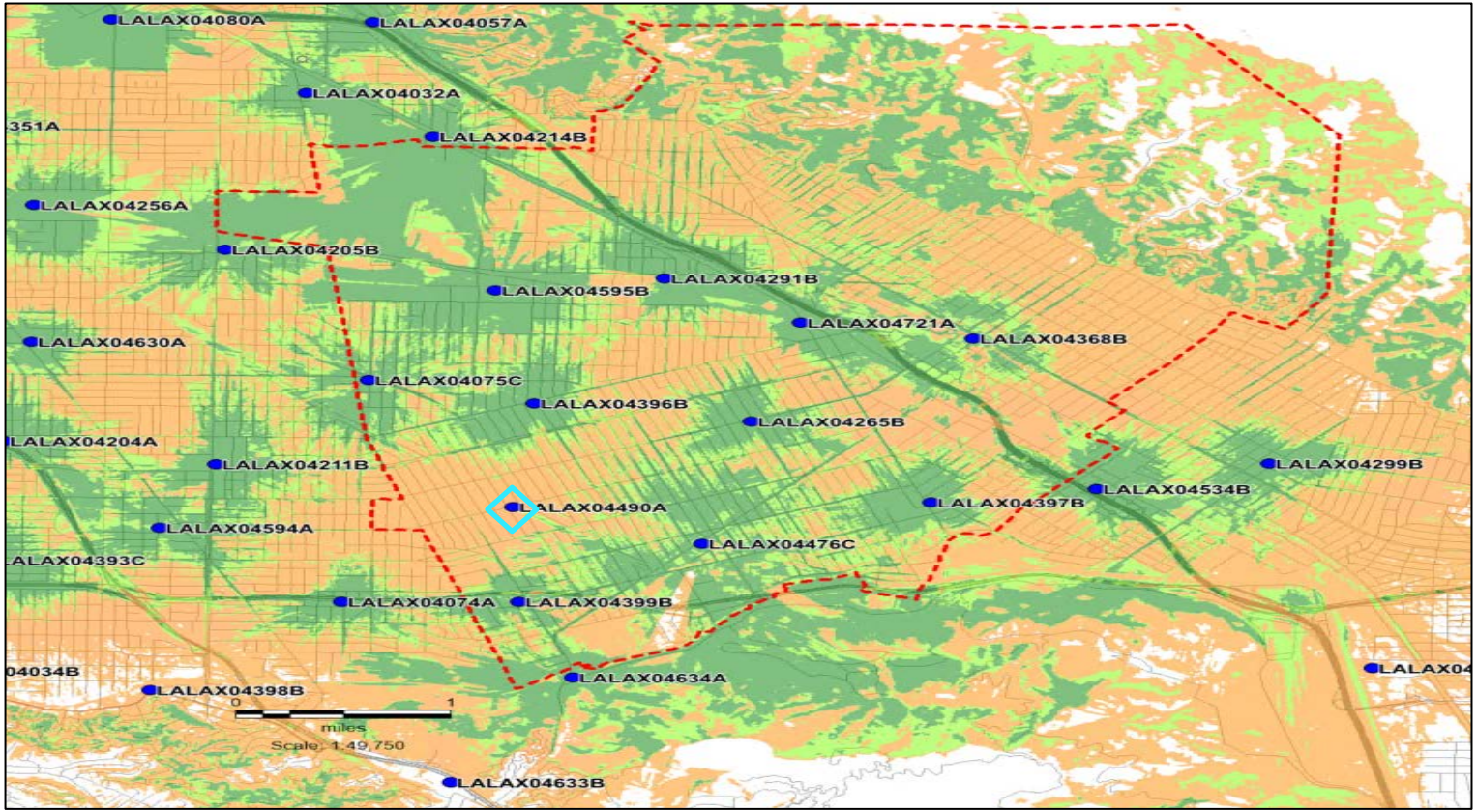
FCC Compliance Requirement

A site is considered out of compliance with FCC regulations if there are areas that exceed the FCC exposure limits and there are no RF hazard mitigation measures in place. Any carrier which has an installation that contributes more than 5% of the applicable MPE must participate in mitigating these RF hazards.

EXHIBIT 6.20

LALAX04490A – Network Included w/o Subject Site

Burbank City Boundary



Coverage Legend

Urban -98.21 dBm	Suburban -103.21 dBm	Outdoor -115.21 dBm

Planned Sites
Subject Site

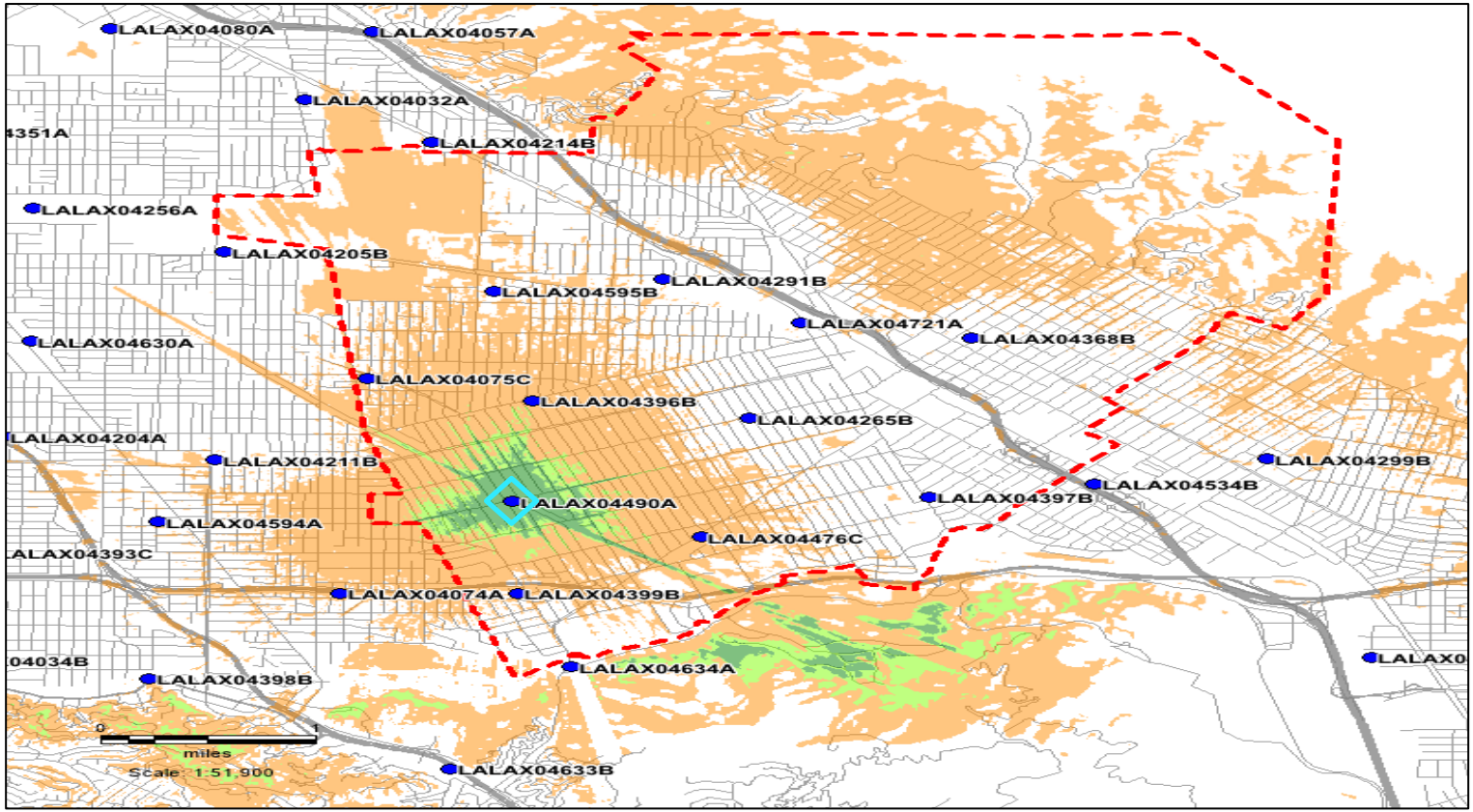
ATTACHMENT C - 61

 | 10/03/2023 |

EXHIBIT 6.25

LALAX04490A – Individual Contribution

Burbank City Boundary



Coverage Legend

Urban -98.21 dBm	Suburban -103.21 dBm	Outdoor -115.21 dBm

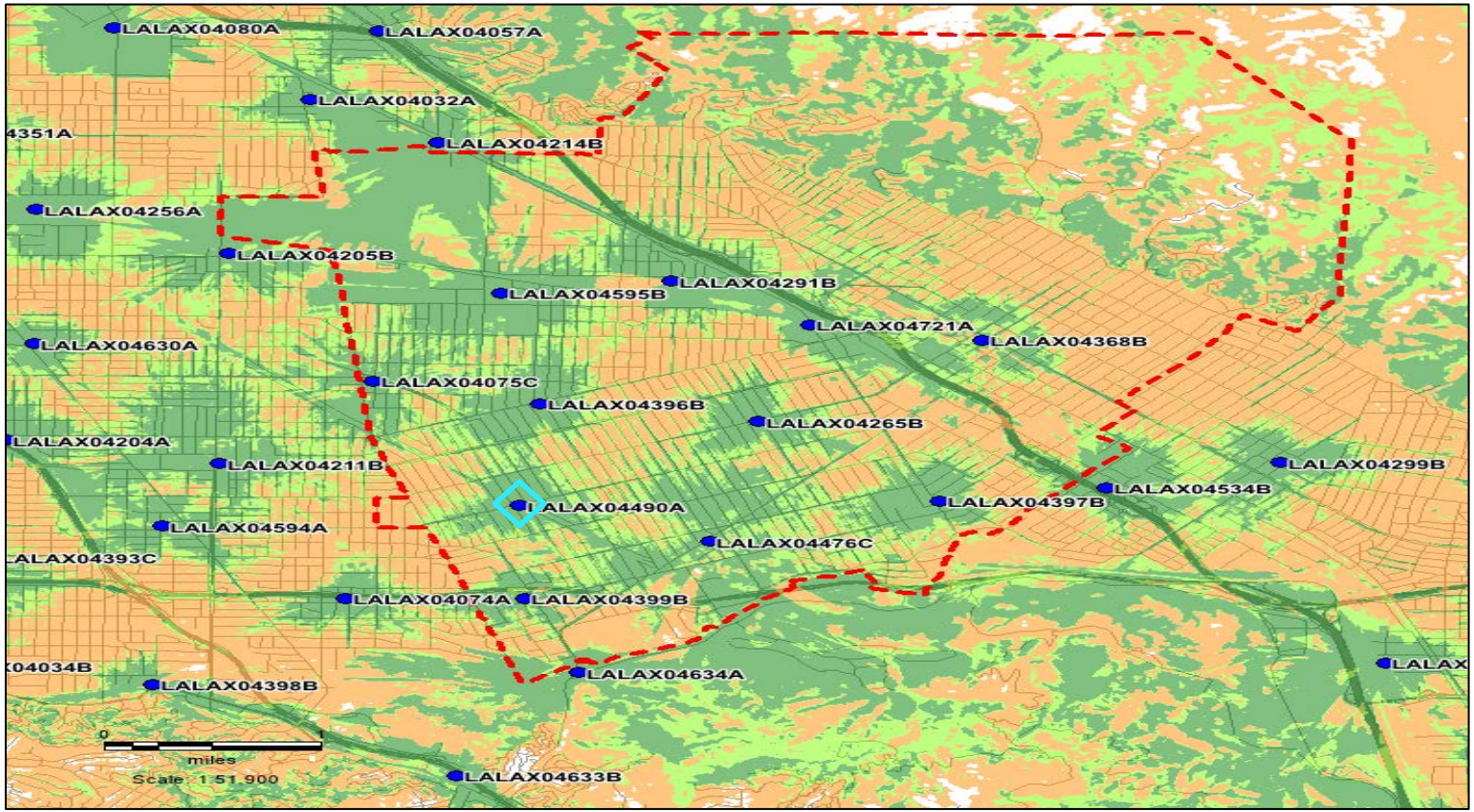
- Planned Sites
- Subject Site

 | 10/03/2023 |

EXHIBIT 6.30

LALAX04490A – Network Included

Burbank City Boundary



Coverage Legend

Urban -98.21 dBm	Suburban -103.21 dBm	Outdoor -115.21 dBm

Planned Sites
Subject Site

ATTACHMENT C - 65

 | 10/03/2023 |

EXHIBIT 7.01

LALAX04490A
American Lutheran Church
755 N. Whitnall Hwy.
Burbank, CA 91505

VIEW 1
Completed September 22, 2023

APPLICANT

Dish Wireless
16812 Armstrong Avenue
Suite 200
Irvine, CA 92606

CONTACT

Maximize Communications Group
Luzine Rawls
325 W Hospitality Lane
San Bernardino, CA 92408
p 909.361.0850

dish wireless.

EXISTING

PROPOSED

PROPOSED
NEW ANTENNA
LOCATION
(Inside (N) FRP Extended)
(Church Steeple)

LOCATION View from the E looking W

LALAX04490A
American Lutheran Church
755 N. Whitnall Hwy.
Burbank, CA 91505

VIEW 2
Completed September 22, 2023

APPLICANT

Dish Wireless
16812 Armstrong Avenue
Suite 200
Irvine, CA 92606

CONTACT

Maximize Communications Group
Luzine Rawls
325 W Hospitality Lane
San Bernardino, CA 92408
p 909.361.0850

dish wireless.

EXISTING

PROPOSED

PROPOSED
NEW ANTENNA
LOCATION
(Inside (N) FRP Extended)
(Church Steeple)

LOCATION View from the NE looking SW

LALAX04490A

American Lutheran Church

755 N. Whitnall Hwy.
Burbank, CA 91505

VIEW 3

Completed September 22, 2023

APPLICANT

Dish Wireless
16812 Armstrong Avenue
Suite 200
Irvine, CA 92606

CONTACT

Maximize Communications Group
Luzine Rawls
325 W Hospitality Lane
San Bernardino, CA 92408
p 909.361.0850

dish wireless.

EXISTING

PROPOSED

PROPOSED
NEW ANTENNA
LOCATION
(Inside (N) FRP Extended)
(Church Steeple)

LOCATION View from the SE looking NW

LALAX04490A
American Lutheran Church
755 N. Whitnall Hwy.
Burbank, CA 91505

VIEW 4
Completed September 22, 2023

APPLICANT

Dish Wireless
16812 Armstrong Avenue
Suite 200
Irvine, CA 92606

CONTACT

Maximize Communications Group
Luzine Rawls
325 W Hospitality Lane
San Bernardino, CA 92408
p 909.361.0850

dish wireless

EXISTING

PROPOSED

PROPOSED
NEW ANTENNA
LOCATION
(Inside (N) FRP Extended)
(Church Steeple)

LOCATION View from the SW looking NE

EXHIBIT 9.01

IDENTIFICATION OF KEY PERSONS

Site selection:

Robert McCormick/ Maximize Engineering Group
2666 W. 235th Street, Suite B, Torrance, CA 90505
310-547-7413
Rmccormick.ctr@maximize1.com

RF Engineering:

Harshad Dighe - RF Engineer / Dish Wireless
7545 Irvine Center Drive, Suite 200, Irvine, CA 92618
858-226-6163
Harshad.dighe@dish.com

Project Management:

Elijah Harris - Project Manager / Dish Wireless
7545 Irvine Center Drive, Suite 200, Irvine, CA 92618
(407) 761-4251
Elijah.harris@dish.com

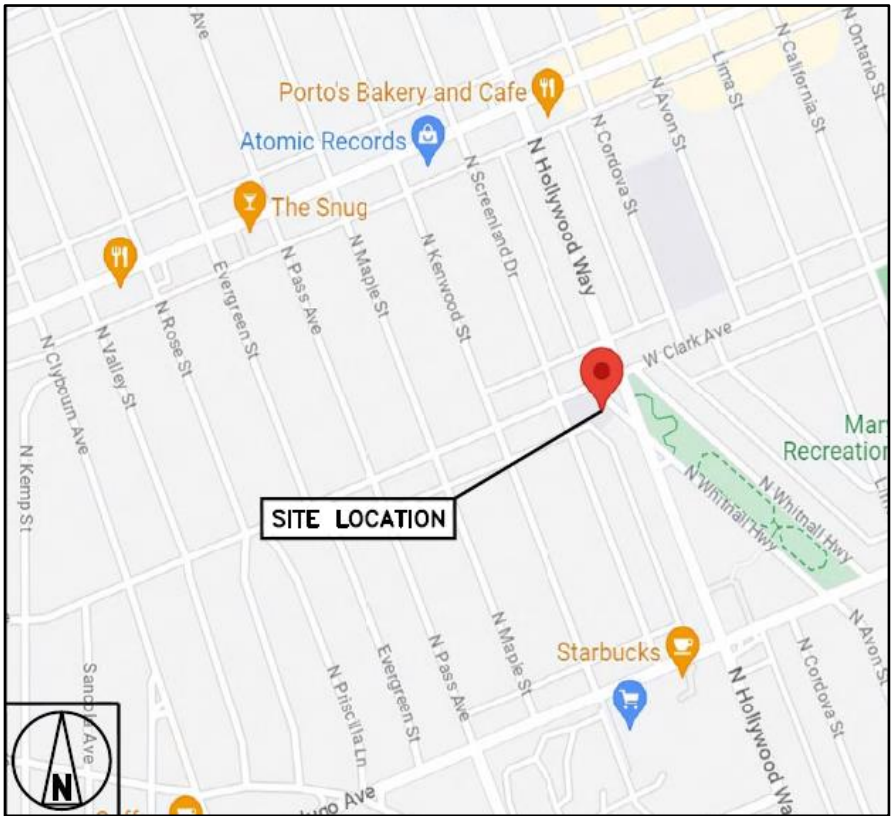
EXHIBIT 10.01

Noise Study Compliance Report

Site ID:	Dish Wireless - LALAX04490A
Market/Region:	City of Burbank
Zoning Code:	C-3
Site Address:	755 N Whitnall Hwy, Burbank, CA 91505
APN#:	2480-014-001
Latitude:	34.164003
Longitude:	-118.345639
Site Type:	Rooftop Wireless Facility
Date of Report:	09/25/2023

Statement of Compliance

The proposed equipment complies with City of Burbank noise limits.



Prepared by GenTech LLC

TABLE OF CONTENTS

EXECUTIVE SUMMARY

GenTech LLC has prepared this noise study compliance report for Dish Wireless regarding site LALAX04490A. The site address is 755 N Whitnall Hwy, Burbank, CA 91505. This project is for the installation of an unmanned telecommunications facility. The purpose of this report is to determine whether the proposed equipment within the scope of this study complies with City of Burbank Noise Standards.

These results are based on construction drawings dated 08/24/2023 as provided to GenTech LLC. Any changes to the equipment configuration or other material aspects of the site design may change the noise emission levels and therefore may change the compliance outcomes in this report. Any equipment listed in the construction drawings that is not listed in this report either is non-noise emitting or manufacturer noise specifications are unavailable and therefore cannot be accurately included in noise calculations.

STATEMENT OF COMPLIANCE AND NOISE ANALYSIS

After review of the site and proposed equipment and assuming complete accuracy and repeatability with respect to the manufactures' specifications, the sum of the equipment to be deployed will not exceed the City of Burbank Noise Standards limit of 65 dBA.[1]

9-3-208: MACHINERY, EQUIPMENT, FANS AND AIR CONDITIONING:

A. Decibel Limit: No person shall operate any machinery, equipment, pump, fan, air conditioning apparatus, or similar mechanical device in such a manner as to cause the ambient noise level to be exceeded by more than five (5) decibels. In the case of leaf blowers, as defined by Section 9-3-214 of this article, the ambient noise level may not be exceeded by more than twenty (20) decibels.

B. Ambient Noise Base Level: For the purposes of this section only, all ambient noise measurements shall commence at the following ambient noise base levels in the zones and during the times shown:

Base Levels	Time	Zone
45 dBA	Nighttime	Residential
55 dBA	Daytime	Residential
65 dBA	Anytime	Commercial
70 dBA	Anytime	All other zones

Accordingly, and by way of illustration, the ambient noise level in commercial zones shall be deemed to be sixty five (65) dBA notwithstanding a lower reading; provided, however, that when the ambient noise base level for the property on which the machinery, equipment, pump, fan, air conditioning apparatus or similar mechanical device is located is higher than the ambient noise base level for adjacent property, the ambient noise base level for the adjacent property shall apply. Properties separated by a street shall be deemed to be adjacent to one another.

[1] *See* CITY OF BURBANK MUNICIPAL CODE SECTION 9-3-208.

ITEMIZED NOISE CALCULATIONS

The intended equipment to be deployed does not contain specific noise emission data. This is typical of antennas and other equipment considered to be passive and therefore not active noise sources. In good faith the Noise Analysis Team has elected to perform an Itemized Noise Calculation using published specifications from alternative yet comparable equipment. We define this term as Comparable Equipment SPL. This should yield a more accurate outcome with respect to expected noise levels for this site.

Equipment	Fujitsu TA08025-B605 Radio
Quantity	6
Distance to Property Line	40 feet
Comparable Equipment	Ericsson RRU 4449
Comparable Equipment SPL	36 dBA at 3.3 feet
SPL at Property Line	29.45 dBA

Equipment	Fujitsu TA08025-B604 Radio
Quantity	6
Distance to Property Line	40 feet
Comparable Equipment	Ericsson RRU 4449
Comparable Equipment SPL	36 dBA at 3.3 feet
SPL at Property Line	29.45 dBA

Equipment	Cellmax 12044x Antenna
Quantity	6
Distance to Property Line	40 feet
Comparable Equipment	Ericsson AIR 6449
Comparable Equipment SPL	25 dBA at 3.3 feet
SPL at Property Line	11.11 dBA

Total Noise	32.49 dBA
Noise Zone	City of Burbank
Noise Limit	65 dBA
Compliance Outcome	Compliant

CONCLUSION

The installation of the proposed equipment is compliant with City of Burbank Noise Standards.

ACOUSTIC ANALYSIS METHODOLOGY

Decibels (dB)

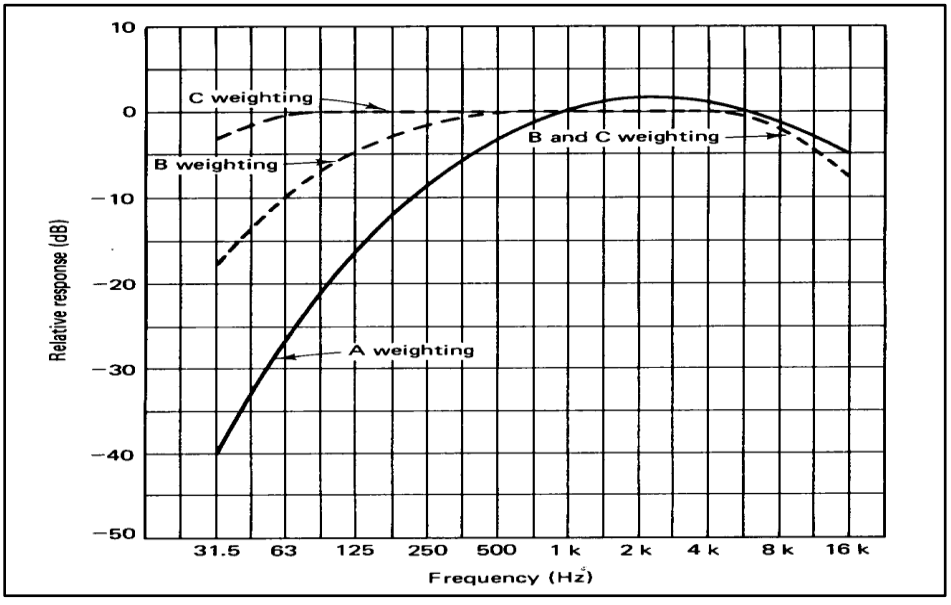
A decibel expresses a logarithmic ratio between a given value and a reference value. In the case of dB sound pressure level (SPL), the reference value is 20 micro Pascals, the threshold of human hearing. Although noise levels can vary depending on environmental conditions, representative levels are show below.

dBA	Pascals	Source	Sensation
140	200	Jet Aircraft at 100'	Physical Pain
120	20	Thunder	Deafening
100	2	Discotheque	Very Loud
80	0.2	Cocktail Party	Loud
60	0.02	Noisy Home	Moderate
40	0.002	Quite Home	Faint
20	0.0002	Rustle of Leaves	Whisper
0	0.00002	Threshold of hearing	Whisper

dBA

Most municipalities specify Sound Pressure Level (SPL) in units dBA. With respect to this methodology, dBA is defined as a Sound Pressure Level measurement expressed in decibels relative to 20 micro Pascal with an "A weighted" filter applied. An A weighted filter is designed to emulate a person's sensitivity to sound pressure at a given frequency, therefore yielding better correlation between measurement and human perception.

Sound Level Meter Weightings



Sound Divergence

Single source SPL will decay in a free-field according to the inverse square law that states for every doubling of the distance from the sound source, a 6dB loss will incur. When the sound pressure level L1, at distance R1 from a point source is known, the sound-pressure level L2 at another distance R2 is calculated by the following equation:

$$L2 = L1 - 20log(R2/R1)$$ [2]

Example: If a noise source is 80 dBA at 1-meter distance, the level will be 74dB at 2 meters and 68dB at 4 meters distance from the source.

Summing Multiple Sound Sources

After the SPL of each individual source is calculated based on the listening position, the total SPL of multiple incoherent sound sources in a free-field is calculated by the following equation:

$$SPLtotal = 10 \cdot \log 10 \left(10^{\frac{L_1}{10}} + 10^{\frac{L_2}{10}} + \cdots 10^{\frac{L_n}{10}}\right)$$ [3]

Reference Table

Difference in dB between 2 sound sources	0	1	2	3	4	5	6	7	8	9	10
Added dB to the louder source	3.01	2.54	2.12	1.76	1.46	1.19	0.97	0.79	0.64	0.51	0.41

Example: 80 dBA + 85 dBA = 86.19 dBA

Transmission Loss

Transmission Loss (TL) is the loss as sound passes through a barrier. In particular, TL can be defined as the difference between SPL on the source side of the barrier and the receiver side of the barrier and is express in the equation below:

$$TL = SPL\ Source\ Side - SPL\ Receiver\ Side$$ [4]

Absorption Coefficient

Physical materials and barriers have absorption coefficients which describes the extent to which sound is attenuated when passing through the material. It is important to note the absorption coefficients (α) are based on a linear scale and TL values are based on a logarithmic scale. To unify both scales we define τ as the transmission coefficient, the amount of sound that passes through a material where $\tau = 1 - \alpha$. We relate τ to TL in the following equation:

$$TL = 10\ log\ (1/\tau)$$ [5]

Measurement Period

[2] *See* Everest & Pohlmann: MASTER HANDBOOK OF ACOUSTICS 5th edition.
[3] *See* Tontechnik Rechner: Sengpielaudio.
[4] *See* Everest & Pohlmann: MASTER HANDBOOK OF ACOUSTICS 5th edition.
[5] *See* Everest & Pohlmann: MASTER HANDBOOK OF ACOUSTICS 5th edition.

There are various methods for acquiring sound measurements over a period of time. For the purposes of this methodology a linear time average or Leq is used in accordance with most municipalities. Leq is the equivalent continuous sound level in decibels, equivalent to the total sound energy measured over a stated period of time. LAeq is a linear time averaged measurement with an A weighted filter applied to the spectrum of the measurement.

Sound Transmission Class (STC)

Sound Transmission Class is a rating of sound isolation provided by ASTM E413 based on laboratory measurements performed in accordance with ASRM E90 that measures the extent that airborne sounds are attenuated as they pass from one side of a medium to another. For example, a masonry wall with an STC 40 will attenuate 40dB SPL on one side or the wall compared to the other side. STC ratings are important when selecting materials for implementing noise mitigation to bring projects into compliance.

Community Noise Equivalent Level (CNEL)

The Lden (Day Evening Night Sound Level) or CNEL (Community Noise Equivalent Level) is the average sound level over a 24 hour period, with a penalty of 5 dBA added for the evening hours or 7:00pm - 10:00pm, and a penalty of 10 dBA added for the nighttime hours of 10:00pm - 07:00am. CNEL is based on changes in a person's sensitivity to environmental noise over a 24 hour period and represents a more anthropomorphized model for measuring noise with respect to how it affects people and communities. Since CNEL is based upon real-world measurement, certain situations only allow for calculating a theoretical CNEL figure. This process is based on a dBA figure (SPL calculated at the property line) applied to a simulated 24 hour measurement period to produce a CNEL figure. The figure is represented in "dBLden"

$$Lden = 10 \cdot log10 \left(\frac{1}{24} \left(12 \cdot 10 \frac{Lday}{10} + 4 \cdot 10 \frac{Levening + 5}{10} + 8 \cdot 10 \frac{Lnight + 10}{10} \right) \right)$$

Ambient Noise

Ambient Noise is the naturally occurring noise level for a given environment. It is the sum of all baseline acoustic energy from non-determinant sources including: traffic, wind, public works, aircraft, property maintenance, public events, commercial processes etc. Ambient background noise in metropolitan, urbanized areas typically varies from 60 to 70 dB and can be as high as 80 dB or greater; quiet suburban neighborhoods experience ambient noise levels of approximately 45-50 dB (U.S. Environmental Protection Agency 1978).

Sound Power Level

Sound Power Level is the sum acoustical energy per unit area. It is expressed as Watts per square meter. Occasionally, manufacturers will provide noise specifications in Sound Power Level and a conversion to Sound Pressure Level (SPL) is required. This conversion is dependent on the distance to the sound source and the Directivity Factor (Q) of the noise source. The calculations within are based on a Directivity Factor Q=1 or full spherical (4Pi) propagation. The conversion is based on distance of 1 meter by which yields a SPL value at 1 meter. It is then possible to calculate Sound Divergence.

$$Lp = Lw - |10\log\left(\frac{Q}{4\pi r^2}\right)|$$

Calculated Noise Level

The noise level of single item based on a calculation that accounts for municipal code, equipment specifications and proposed installation conditions to derive a Sound Pressure Level (SPL) value of the given item or equipment. This value is typically represented as dBA or Lden (CNEL). Non-specified or off-plan equipment cannot be accurately factored into this calculation but may be estimated in a calculation if called for.

Total Noise

Total Noise is the logarithmic sum of individual Calculated Noise Levels minus any planned noise mitigation like acoustic barriers, equipment room or any other implementations that reduce overall noise levels. It describes the overall noise emitted from a site under previously mentioned factors such as municipal code, spacial clearance and installation conditions to derive a Total Noise Level. This figure is typically stated in dBA or Lden (CNEL). Non-specified or off-plan equipment cannot be accurately factored into this calculation but may be estimated in a calculation if called for.

Minimum Compliance Distance

The distance at which the noise level from the offending equipment or site is equal to the maximum allowable noise level per municipal noise ordinance. The presence of this figure varies from report to report and may not be included if it is not deemed necessary.

Noise Limit Delta (ΔNl)

This is the difference of the Total Noise (Nt) compared to the Noise Limit (Nl) for a given municipality. This figure identifies how close the Total Noise is compared to the Noise Limit. A negative result means the Total Noise is under the Noise Limit. A positive figure means the Total Noise is over the Nois Limit.

$$\boldsymbol{\Delta Nl = Nt - Nl}$$

Comparable Equipment SPL

In situations where the manufacturer does not provide noise specifications it may be elected by the Noise Study Team to perform a noise calculation using comparable Equipment specifications to provide a more accurate expectation of real-world noise levels. Comparable equipment is defined as alternative equipment that is as closely matched to the original equipment in class and performance as possible.

PREPARER CERTIFICATION

The scope of work of this report is limited to a noise study of the proposed wireless communications equipment to ensure the operation of the equipment will not produce environmental noise in excess of prescribed ambient noise level thresholds. The engineering and design of all related structures as well as the impact of the antennas on the structural integrity of the design are specifically excluded from the scope of work.

I have prepared and reviewed this noise study and believe it to be both true and accurate to the best of my knowledge.

Certified By: Conor Watson

Title: Conor Watson, Acoustic Engineer, Noise Study Certification Team