



SAI Group 12 Industrial Way Salem, NH 03079 603-421-0470

June 7, 2024

Melanie A. Bachman Executive Director Connecticut Siting Council 10 Franklin Square New Britain, CT 06051

Notice of Exempt Modification – New Cingular Wireless PCS, LLC (AT&T) 74 High Street, Milford, CT - Oyster Festival 2024 N 41.220417 W 73.058889

Dear Ms. Bachman:

AT&T intends to install a temporary cellular communications facility for service during the 2024 Milford Oyster Festival. Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16-50j-73, of construction that constitutes an exempt modification under R.C.S.A. § 16-50j-72(d). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Mayor Anthony S. Giannattasio and David Sulkis, City Planner for the City of Milford as well as to the property owner.

AT&T operates under licenses issued by the Federal Communications Commission (FCC) to provide mobile communications service in New Haven County, which includes the area to be served by AT&T's proposed temporary installation. The proposed temporary facility would be installed on property owned by Southern New England Telephone (Frontier Communications).

Proposed Temporary Facility

The proposed temporary cell site meets the criteria set forth in R.C.S.A § 16-50j-72(d) for temporary cellular service for events of statewide significance. The site is necessary to provide additional system capacity to accommodate increased communication needs during Oyster Festival 2024. This facility may include B2, B5, B17, B14, B29, B30, B66 & n77 hardware that is 4G(LTE) and/or 5GNR capable through remote software configuration and either or both services may be turned on or off at various times.

The Milford Oyster Festival will be held in the area of Milford Harbor on August 17, 2024.

The temporary cell site will be located at 74 High Street in Milford on property owned by Frontier Communications. An e-mail from Frontier Communications authorizing AT&T's use of the property for this purpose is attached. Electric power will be provided by a portable PowerPro 45kVA "whisper" generator. AT&T's equipment will be deployed to the property on or around August 2nd. The site will begin on-air operations on August 17th and be removed on or around August 19th.

AT&T's temporary cell site will consist of radio equipment installed in a fully self-contained vehicle referred to as a Super COLT (Cell on Light Truck). The COLT carries three integrated pneumatic masts, two of which can be extended to a height of 38 ft above ground level, while the third can be extended to a height of 59 ft above ground level. Guy lines will stabilize and support the antenna masts when extended. The proposed temporary cell site will not increase noise levels by six decibels or more.

The COLT will be fitted with two (2) CCI MBA10-6F-BU-H3 antenna at 60 feet, two (2) Ericsson AIR6449 B77D antennas at 55 feet and (3) Kathrein 840-10520 antennas at 40 feet above ground level.

Power Density Calculations

AT&T's temporary cell site will not result in a total radio frequency electromagnetic radiation power density, measured at six feet above ground level at the temporary tower location, at or above State or Federal standards. Please see attached Radio Frequency Emissions Report. The report shows that AT&T's temporary transmissions from the temporary cell site will result in a maximum cumulative percent of MPE that is calculated to be 39.41% of the FCC limit for general population / uncontrolled environments.

Conclusion

For the foregoing reasons, AT&T respectfully requests that the Council acknowledge AT&T's Notice of Exempt Modification for the temporary cell site to be operated during the 2024 Milford Oyster Festival pursuant to R.C.S.A. § 16-50j-72(d).

Please feel free to call me at (860) 670-9068 with any questions regarding this Notice. Thank you for your consideration in this matter.

Sincerely,

Mark Roberts

Consultant for SAI

Mark.Roberts@QCDevelopment.net

Mark Roberta

Attachments

cc: Mayor Anthony S. Giannattasio – Elected Official

David Sulkis - Milford City Planner

SNET / Frontier Communications – Property Owner

Map Block Lot

054 403 6

Bldg # 1 Sec #

1 PID 13416 Account

018107

Property Information

| Property Location | 74 HIGH S | 74 HIGH ST | | | |
|-------------------|-----------------------------|------------|-------|-------|--|
| Owner | SOUTHERN NEW ENGLAND TEL | | | | |
| Co-Owner | C/O FRONTIER COMMUNICATIONS | | | | |
| Mailing Address | PO BOX 26 | 629 | | | |
| Maining Address | ADDISON | , | тх | 75001 | |
| Land Use | 3161 | COMM WI | HSE M | DL-96 | |
| Land Class | С | | | | |
| Zoning Code | R7.5 | | | | |
| Census Tract | | | | | |
| | | | | | |

| Neighborhood | II | |
|------------------|------------|---------|
| Acreage | 0.49 | |
| Utilities | | |
| Lot Setting/Desc | UNKNOWN | UNKNOWN |
| Book / Page | 00294/3320 | |
| Fire District | 4 | |

Primary Construction Details

| 1930 |
|---------------|
| COMM WHSE |
| Warehouse |
| AVERAGE |
| 2 |
| 1.00 |
| Brick/Masonry |
| NA |
| Flat |
| Tar & Gravel |
| Minim/Masonry |
| NA |
| Vinyl/Asphalt |
| NA |
| |

| Heating Fuel | Gas |
|------------------|----------------|
| Heating Type | Forced Air-Duc |
| AC Type | Central |
| Bedrooms | 0 |
| Full Bathrooms | 0 |
| Half Bathrooms | 0 |
| Extra Fixtures | 0 |
| Total Rooms | |
| Bath Style | NA |
| Kitchen Style | NA |
| Fin Bsmt Area | |
| Fin Bsmt Quality | |
| Bsmt Gar | |
| Fireplaces | 0 |
| | |

Photo



Sketch



(*Industrial / Commercial Details)

| | |
|---------------------------|---------------|
| Building Use | Industrial |
| Building Condition | 2 |
| Sprinkler % | NA |
| Heat / AC | HEAT/AC SPLIT |
| Frame Type | STEEL |
| Baths / Plumbing | AVERAGE |
| Ceiling / Wall | CEIL & WALLS |
| Rooms / Prtns | AVERAGE |
| Wall Height | 14.00 |
| First Floor Use | NA |
| Foundation | NA |
| | |

Report Created On

7/7/2022



SOUTHERN NEW ENGLAND TEL

Map Block Lot

054 403 6

Bldg # 1 Sec #

1 PID

13416 Account

018107

| Valuation Sumr | nary (Ass | sessed value = ' | 70% of Appraised Value) | Sub Areas | | |
|-----------------|---------------------------|------------------|-------------------------|-----------------------|--------------------|---------------------|
| Item | Appra | aised | Assessed | Subarea Type | Gross Area (sq ft) | Living Area (sq ft) |
| Buildings | 705960 | | 494170 | First Floor | 9732 | 9732 |
| Extras | 0 | | 0 | Basement, Finished | 7232 | 0 |
| Improvements | | | | Utility, Finished | 1175 | 0 |
| Outbuildings | 15510 | | 10860 | Upper Story, Finished | 7232 | 7232 |
| Land | 284960 | | 199470 | | | |
| Total | 1006430 | | 704500 | | | |
| Outbuilding ar | nd Extra Fo | eatures | | | | |
| Type | | Descript | ion | | | |
| PAVING-ASPHALT | PAVING-ASPHALT 11000 S.F. | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | Total Area | 25371 | 16964 |
| Sales History | | | | • | | • |
| Owner of Record | | | | Book/ Page Sale | Date Sale Pri | 20 |

00294/3320

1946-02-14

0

 From:
 Mackerdichian, Celine

 To:
 Mark Roberts

 Cc:
 Fitts, Chance

Subject: RE: [External] RE: Milford, CT - Oyster Festival - LOA for permit filing

Date: Wednesday, June 5, 2024 11:39:49 AM

Mark,

This email authorizes AT&T Wireless and/or its authorized agent to file for all necessary federal state or local permits and approvals for the proposed temporary wireless telecommunications facility located at 74 High Street, Milford, CT for the Milford Oyster Festival 2024.

Best,

Celine Mackerdichian, MCR

Director Global Corporate Services

NEWMARK

515 S Flower Street, Suite 3510 Los Angeles, CA 90071 m 818.235.7247 celine.mackerdichian@nmrk.com

nmrk.com LinkedIn | Twitter | Facebook | Instagram

RE License #01904487 Corporate RE License #1355491

City of Milford

Geographic Information System (GIS)





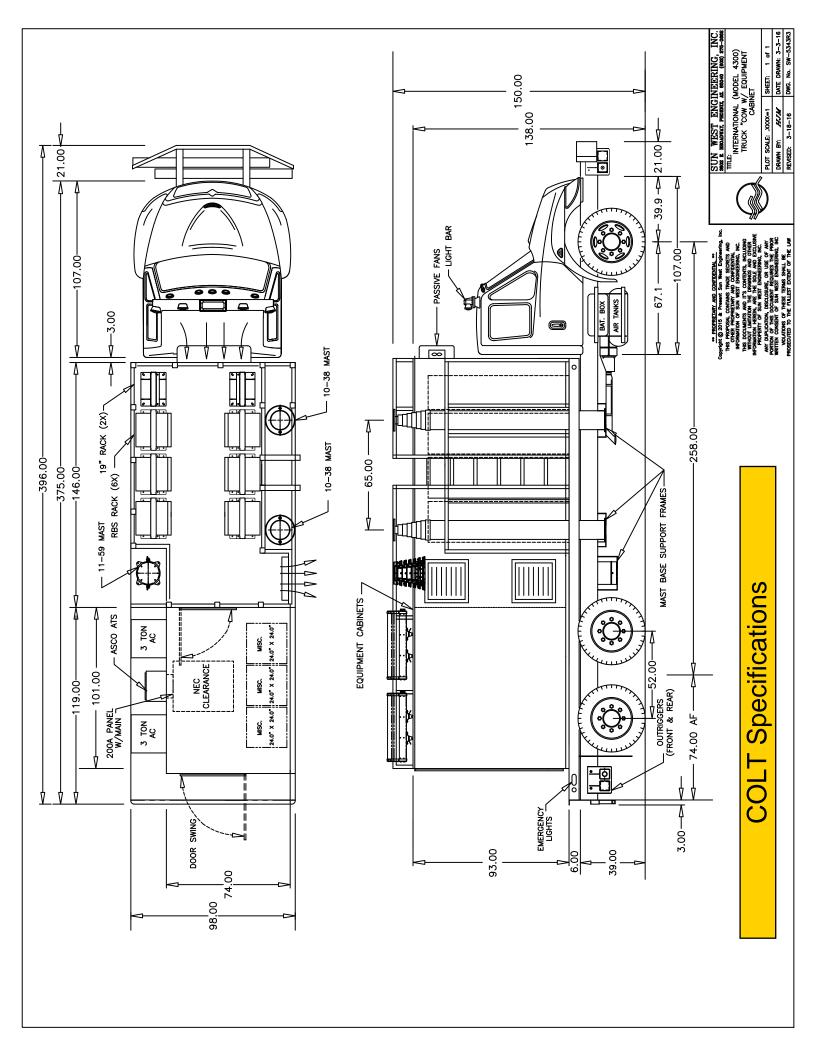
MAP DISCLAIMER - NOTICE OF LIABILITY
This map is for assessment purposes only It is not for legal description or conveyances All information is subject to verification by any user The City of Milford and its mapping contractors assume no legal responsibility for the information contained herein

Approximate Scale: 1 inch = 50 feet









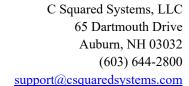
PowerProMobile Generators

Speci **B**ations

| | PowerPro 25 | PowerPro40 | PowerPro 45 | PowerPro 65 | PowerPro 125 | PowerPro 150 | | | |
|--|---|--------------------------------------|--|--|--|--------------------|--|--|--|
| Model | SDG25S-8E1 | SDG40S-8B1 | SDG45S-8E1 | SDG65S-8C1 | SDG125S-8B1 | SDG150S-8B1 | | | |
| GENERATOR SPECIFI | ICATIONS | | | | | | | | |
| Generator Type | Airman | Taiyo | Airman | Airman | Taiyo | Taiyo | | | |
| Armature Connection | | Star with Neutral/Zig Zag | | | | | | | |
| No. of Poles | 4-Pole | | | | | | | | |
| Insulation | Class F | | | | | | | | |
| Excitation | | Brushless with AVR | | | | | | | |
| Voltage Regulation | | | 0.9 | 5% | | | | | |
| Power Factor | | | 0 | .8 | | | | | |
| Frequency | | | 60 Hz. | / 50 Hz | | | | | |
| Standby Power | 27.5 kVA / 22 kW | 39 kVA / 31.2 kW | 48.5 kVA / 38.8 kW | 67 kVA / 53.6 kW | 137 kVA / 110 kW | 165 kVA / 132 kW | | | |
| Prime Power | 25 kVA / 20 kW | 38 kVA / 30.4 kW | 45 kVA / 36 kW | 63 kVA / 50 kW | 125 kVA / 100 kW | 150 kVA / 120 kW | | | |
| Voltage Single Phase | | | 120V / 240V / 27 | 7V (Switchable) | | | | | |
| Voltage Three Phase | | | 208V / 240V / 416V | / 480V (Switchable) | | | | | |
| AMPERAGE | | | | | | | | | |
| Single Phase 120V | 60 Amp x 2 | 91.4 Amp x 2 | 108 Amp x 2 | 152 Amp x 2 | 300 Amp x 2 | 361 Amp x 2 | | | |
| Single Phase 240V | 60 Amp | 91.4 Amp | 108 Amp | 152 Amp | 300 Amp | 361 Amp | | | |
| Three Phase 208V | 60 Amp | 105.5 Amp | 119 Amp | 167 Amp | 328 Amp | 394 Amp | | | |
| Three Phase 240V | 60 Amp | 91.4 Amp | 108 Amp | 152 Amp | 300 Amp | 361 Amp | | | |
| Three Phase 480V | 30 Amp | 45.7 Amp | 54 Amp | 76 Amp | 150 Amp | 180 Amp | | | |
| ENGINE SPECIFICATION | ONS | | | | | | | | |
| Engine Model | Isuzu 4LE2T | Kubota V3300 | Isuzu 4LE2X | Kubota V3800 | Isuzu 4HK1X | Isuzu 6HK1X | | | |
| EPA Emission Level | Tier 4 | Interim Tier 4 | Tier 4 | Interim Tier 4 | Tier 3 Flex | Tier 3 Flex | | | |
| Engine Type | 4-Cycle, water-cooled direct injection turbocharged | 4-Cycle, water-cooled swirl chambers | 4-Cycle, water-cooled, direct injection turbocharged | 4-Cycle, water-cooled, direct injection | 4-Cycle, water-cooled, direct injection turbocharged intercooler | | | | |
| Number of Cylinders | 4 | 4 | 4 | 4 | 4 | 6 | | | |
| Output @Rated Speed (1800 rpm) | 33.3 HP | 46.8 HP | 59.0 HP | 89.5 HP | 152.0 HP | 190.4 HP | | | |
| Governor Type | | | ⊟ed | ronic | | | | | |
| Integral Fuel Tank Capacity | 51.5 gal. | 106 gal. | 106 gal. | 106 gal. | 198 gal. | 215 gal. | | | |
| Fuel Containment | | | 110 | 0% | | | | | |
| Lubricating Oil Capacity | 2.7 gal. (10.4 L) | 3.4 gal. (13.2 L) | 3.1 gal. (11.7 L) | 3.5 gal. (13.2 L) | 5.4 gal. (20.5 L) | 10.0 gal. (38.0 L) | | | |
| Coolant Capacity | 2.7 gal. (10.4 L) | 2.4 gal. (9.0 L) | 2.5 gal. (9.5 L) | 2.9 gal. (11.0 L) | 5.7 gal. (21.5 L) | 6.7 gal. (25.5 L) | | | |
| Battery | | | 12V x 1 12V System | | | 12V x 2 24V System | | | |
| FUEL CONSUMPTION | | | | | | | | | |
| FULL Load | 1.6 gal./hr. | 2.6 gal./hr. | 2.8 gal./hr. | 3.8 gal./hr. | 7.2 gal./hr. | 8.6 gal./hr. | | | |
| 75% Load | 1.3 gal./hr. | 1.9 gal./hr. | 2.1 gal./hr. | 2.9 gal./hr. | 5.8 gal./hr. | 6.5gal./hr. | | | |
| 50% Load | 1.0 gal./hr. | 1.4 gal./hr. | 1.5 gal.hr. | 2.1 gal./hr. | 4.0 gal./hr. | 4.7 gal./hr. | | | |
| Run Time @Full Load | 32.1 hr. | 40.8 hr. | 37.8 hr. | 27.8 hr. | 27.5 hr. | 25.0 hr. | | | |
| WEIGHTS AND DIMEN | SIONS | | | | | | | | |
| LxWxH without Trailer | 67" x 31" x 55" | 82" x 39" x 61" | 82" x 38" x 61" | 82" x 39" x 61" | 100" x 46" x 72" | 126" x 46" x 72" | | | |
| Dry Weight | 1808 lb. (820 kg) | 2555 lb. (1160 kg) | 2606 lb. (1180 kg) | 2800 lb. (1270 kg) | 4729 lb. (2145 kg) | 6007 lb. (2725 kg) | | | |
| Operating Weight (Wet) | 2205 lb. (1000 kg) | 3325 lb. (1510 kg) | 3374 lb. (1530 kg) | 3570 lb. (17060 kg) | 6173 lb. (2800 kg) | 7628 lb. (3460 kg) | | | |
| Sound Level @23 Feet (No/Full Load) | 63/63 dBA | 60/61 dBA | 57/64 dBA | 65/65 dBA | 65/67 dBA | 68/71 dBA | | | |
| LYNXRITE TRAILERS | | | | | | | | | |
| LxWxHin. * | 119" x 54" x 62" | 144" x 70" x 73" | 144" x 70" x 73" | 144" x 70" x 73" | 196" x 79" x 85" | 196" x 79" x 85" | | | |
| Weight | 625 lb. (284 kg) | 1225 lb. (556 kg) | 1225 lb. (556 kg) | 1225 lb. (556 kg) | 1650 lb. (748 kg) | 1650 lb. (748 kg) | | | |
| GWR | 2950 lb. (1338 kg) | 5500 lb. (2494 kg) | 5500 lb. (2494 kg) | 5500 lb. (2494 kg) | 9900 lb. (4491 kg) | 9900 lb. (4491 kg) | | | |

^{*} Height is calculated from ground level to the top of the generator.

Features and specil litations are subject to change without notice.





Calculated Radio Frequency Emissions Report



CT5764 74 High Street, Milford, CT

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1. Introduction

The purpose of this report is to investigate compliance with applicable FCC regulations for the proposed temporary deployment for Milford Oyster Festival of AT&T antenna arrays on top of the Mini Super COLT (Cell **On Light Truck**) at 40', 55' and 60' AGL located at 74 High Street in Milford, CT. The coordinates of Super Colt are 41° 13' 13.43" N, 73° 03' 31.87" W.

AT&T is proposing the following:

 Temporarily deploy multi-band antennas on its Mini Super Colt to support its commercial LTE network and the FirstNet National Public Safety Broadband Network ("NPSBN") during the Milford Oyster Festival celebration in Milford, CT.

This report considers the planned antenna configuration for AT&T¹ to derive the resulting % Maximum Permissible Exposure of its proposed temporary deployment.

2. FCC Guidelines for Evaluating RF Radiation Exposure Limits

In 1985, the FCC established rules to regulate radio frequency (RF) exposure from FCC licensed antenna facilities. In 1996, the FCC updated these rules, which were further amended in August 1997 by OET Bulletin 65 Edition 97-01. These new rules include Maximum Permissible Exposure (MPE) limits for transmitters operating between 300 kHz and 100 GHz. The FCC MPE limits are based upon those recommended by the National Council on Radiation Protection and Measurements (NCRP), developed by the Institute of Electrical and Electronics Engineers, Inc., (IEEE) and adopted by the American National Standards Institute (ANSI).

The FCC general population/uncontrolled limits set the maximum exposure to which most people may be subjected. General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

Public exposure to radio frequencies is regulated and enforced in units of milliwatts per square centimeter (mW/cm²). The general population exposure limits for the various frequency ranges are defined in the attached "FCC Limits for Maximum Permissible Exposure (MPE)" in Attachment C of this report.

Higher exposure limits are permitted under the occupational/controlled exposure category, but only for persons who are exposed as a consequence of their employment and who have been made fully aware of the potential for exposure, and they must be able to exercise control over their exposure. General population/uncontrolled limits are five times more stringent than the levels that are acceptable for occupational, or radio frequency trained individuals. Attachment C contains excerpts from OET Bulletin 65 and defines the Maximum Exposure Limit.

Finally, it should be noted that the MPE limits adopted by the FCC for both general population/uncontrolled exposure and for occupational/controlled exposure incorporate a substantial margin of safety and have been established to be well below levels generally accepted as having the potential to cause adverse health effects.

¹ As referenced to AT&T's Radio Frequency Design Sheet updated 05/16/2024.



3. RF Exposure Prediction Methods

The emission field calculation results displayed in the following figures were generated using the following formula as outlined in FCC bulletin OET 65:

Power Density=
$$\left(\frac{EIRP}{\pi \times R^2}\right) \times \text{Off Beam Loss}$$

Where:

EIRP = Effective Isotropic Radiated Power

$$R = Radial Distance = \sqrt{H^2 + V^2}$$

H = Horizontal Distance from antenna in meters

V = Vertical Distance from radiation center of antenna in meters

Off Beam Loss is determined by the selected antenna patterns

Ground reflection factor of 1.6

These calculations assume that the antennas are operating at 100 percent capacity, that all antenna channels are transmitting simultaneously, and that the radio transmitters are operating at full power. Obstructions (trees, buildings, etc.) that would normally attenuate the signal are not taken into account. The calculations assume even terrain in the area of study and do not take into account actual terrain elevations which could attenuate the signal. As a result, the predicted signal levels reported below are much higher than the actual signal levels will be from the final installations.



4. Calculation Results

The calculated power density results are shown in Figure 1 below. For completeness, the calculations for this analysis range from 0 feet horizontal distance (directly below the antennas) to a value of 3,000 feet horizontal distance from the site. In addition to the other worst-case scenario considerations that were previously mentioned, the power density calculations to each horizontal distance point away from the antennas was completed using a local maximum off beam antenna gain (within \pm 5 degrees of the true mathematical angle) to incorporate a realistic worst-case scenario.

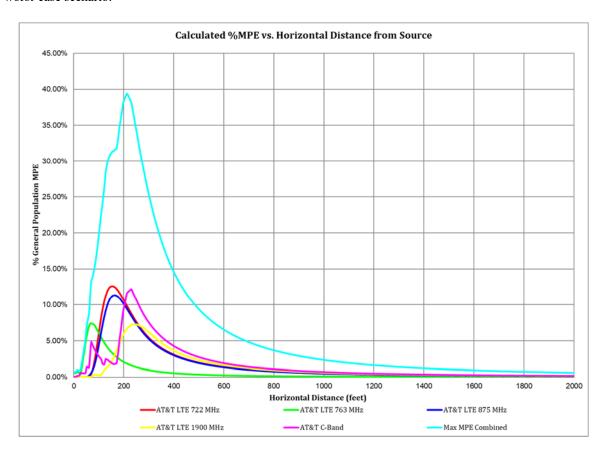


Figure 1: Graph of General Population % MPE vs. Distance

In the case of the COLT to be installed at Milford Oyster Festival, each sector is configured differently. Separate analyses were run for each sector and Sector A and C was found to produce the highest percent of MPE (39.41% of the General Population limit) is calculated to occur at a horizontal distance of 212 feet from antennas. Please note that the percent of MPE calculations close to the site take into account off beam loss, which is determined from the vertical pattern of the antennas used. Therefore, RF power density levels may increase as the distance from the site increases. At distances of approximately 1500 feet and beyond, one would now be in the main beam of the antenna pattern and off beam loss is no longer considered. Beyond this point, RF levels become calculated solely on distance from the site and the percent of MPE decreases significantly as distance from the site increases.



Table 1 below lists percent of MPE values as well as the associated parameters that were included in the calculations. The highest percent of MPE value was calculated to occur at a horizontal distance of 212 feet from the site (reference Figure 1).

As stated in Section 3, all calculations assume that the antennas are operating at 100 percent capacity, that all antenna channels are transmitting simultaneously, and that the radio transmitters are operating at full power. Obstructions (trees, buildings etc.) that would normally attenuate the signal are not taken into account. In addition, a six-foot height offset was considered in this analysis to account for average human height. As a result, the predicted signal levels are significantly higher than the actual signal levels will be from the final configuration. The results presented in Figure 1 and Table 1 assume level ground elevation from the base of the tower out to the horizontal distances calculated.

| Carrier | Number of Transmitters | Power out of Base Station Per Transmitter (Watts) | Antenna Height (Feet) | Distance to the Base of Antennas (Feet) | Power | Limit (mW/cm ² | % MPE |
|-------------------|---------------------------|--|-----------------------------|--|----------|------------------------------|--------|
| AT&T C-Band | 1 | 86.5 | 55.0 | 212 | 0.115665 | 1.000 | 11.57% |
| AT&T LTE 1900 MHz | 1 | 160.0 | 60.0 | 212 | 0.066146 | 1.000 | 6.61% |
| AT&T LTE 722 MHz | 1 | 160.0 | 60.0 | 212 | 0.047557 | 0.481 | 9.88% |
| AT&T LTE 763 MHz | 1 | 160.0 | 40.0 | 212 | 0.009557 | 0.509 | 1.88% |
| AT&T LTE 875 MHz | 1 | 160.0 | 60.0 | 212 | 0.055214 | 0.583 | 9.47% |
| | | | | | | Total | 39.41% |

Table 1: Maximum Percent of General Population Exposure Values



5. Conclusion

The above analysis verifies that RF exposure levels from the site with AT&T's proposed antenna configuration will be well below the maximum permissible levels as outlined by the FCC in the OET Bulletin 65 Ed. 97-01. Using the conservative calculation methods and parameters detailed above, the maximum cumulative percent of MPE in consideration of all transmitters is calculated to be **39.41% of the FCC limit (General Population/Uncontrolled)**. This maximum cumulative percent of MPE value is calculated to occur 212 feet away from the site.

6. Statement of Certification

I certify to the best of my knowledge that the statements in this report are true and accurate. The calculations follow guidelines set forth in ANSI/IEEE Std. C95.3, ANSI/IEEE Std. C95.1 and FCC OET Bulletin 65 Edition 97-01.

Report Prepared By: Ram

Ram Acharya RF Engineer 1

C Squared Systems, LLC

May 20, 2024

Date

Reviewed/Approved By:

Martin J. Lavin

Senior RF Engineer C Squared Systems, LLC

Mark of Fand

May 21, 2024 Date



Attachment A: References

OET Bulletin 65 - Edition 97-01 - August 1997 Federal Communications Commission Office of Engineering & Technology

<u>IEEE C95.1-2019</u>, <u>IEEE Standard Safety Levels With Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields</u>, <u>0 Hz to 300 GHz</u> IEEE-SA Standards Board

IEEE C95.3-2021, IEEE Recommended Practice for Measurements and Computations of Electric, Magnetic, and Electromagnetic Fields with Respect to Human Exposure to Such Fields, 0 Hz-300 GHz IEEE-SA Standards Board



Attachment B: FCC Limits for Maximum Permissible Exposure (MPE)

(A) Limits for Occupational/Controlled Exposure²

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (E) (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 |
| 300-1500 | - | - | f/300 | 6 |
| 1500-100,000 | - | - | 5 | 6 |

(B) Limits for General Population/Uncontrolled Exposure³

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (E) (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 |
| 300-1500 | - | - | f/1500 | 30 |
| 1500-100,000 | - | - | 1.0 | 30 |

f = frequency in MHz * Plane-wave equivalent power density

Table 2: FCC Limits for Maximum Permissible Exposure

-

² Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

³ General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.



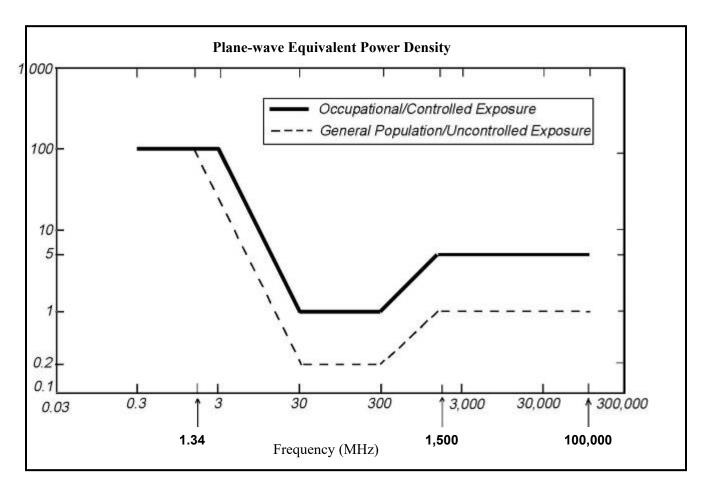


Figure 2: Graph of FCC Limits for Maximum Permissible Exposure (MPE)



Attachment C: AT&T Mobility Antenna Model Data Sheets and Electrical Patterns

698-960 MHz

Manufacturer: CCI

Model #: MBA10-6F-BU-H3

Frequency Band: 698-806 MHz

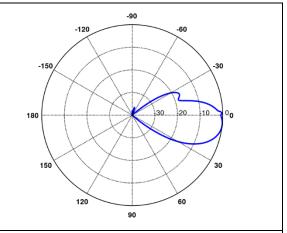
Gain: 19 dBi

Vertical Beamwidth: 6°

Horizontal Beamwidth: 22.2°

Polarization: Dual Linear 45°

Size L x W x D: 40.8" x 83.0" x 11.3"



698-894 MHz

Manufacturer: Katherin

Model #: 840-10520

Frequency Band: 824-894 MHz

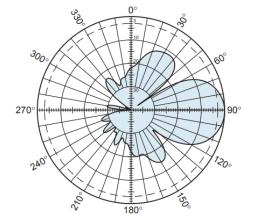
Gain: 10.8 dBi

Vertical Beamwidth: 36°

Horizontal Beamwidth: 72°

Polarization: ±45°

Size L x W x D: 23.3" x 10.6" x 6.2"



824-896 MHz

Manufacturer: CCI

Model #: MBA10-6F-BU-H3

Frequency Band: 824-896 MHz

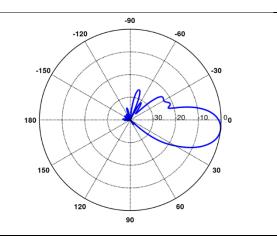
Gain: 19.7 dBi

Vertical Beamwidth: 6°

Horizontal Beamwidth: 19.7°

Polarization: Dual Linear 45°

Size L x W x D: 40.8" x 83.0" x 11.3"





1850-1990 MHz

Manufacturer: CCI

Model #: MBA10-6F-BU-H3

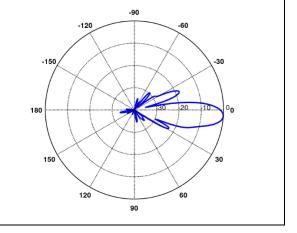
Frequency Band: 1850-1990 MHz

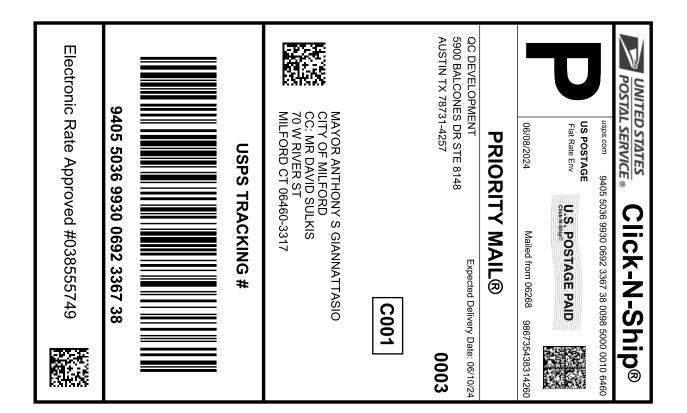
Gain: 23.9 dBi

Vertical Beamwidth: 4° Horizontal Beamwidth: 11.4°

Polarization: Dual Linear 45°

Size L x W x D: 40.8" x 83.0" x 11.3"







Cut on dotted line.

Instructions

- 1. Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO **COPY OR ALTER LABEL.**
- 2. Place your label so it does not wrap around the edge of the package.
- 3. Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.
- 4. To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.
- 5. Mail your package on the "Ship Date" you selected when creating this label.

Click-N-Ship® Label Record

USPS TRACKING #: 9405 5036 9930 0692 3367 38

Trans. #: Print Date: 603024086 06/05/2024 06/08/2024 Ship Date: Expected Delivery Date: 06/10/2024

Priority Mail® Postage: Total:

\$9.85 \$9.85

From: QC DEVELOPMENT

5900 BALCONES DR STE 8148 AUSTIN TX 78731-4257

MAYOR ANTHONY S GIANNATTASIO

CITY OF MILFORD CC: MR DAVID SULKIS 70 W RIVER ST MILFORD CT 06460-3317

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

UNITED STATES
POSTAL SERVICE ® Thank you for shipping with the United States Postal Service! Check the status of your shipment on the USPS Tracking® page at usps.com

USPS Tracking[®]

Tracking Number: Remove X

9405503699300692336738

Copy Add to Informed Delivery (https://informeddelivery.usps.com/)

Latest Update

Your item was picked up at a postal facility at 9:04 am on June 10, 2024 in MILFORD, CT 06460.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Individual Picked Up at Postal Facility

MILFORD, CT 06460 June 10, 2024, 9:04 am

See All Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

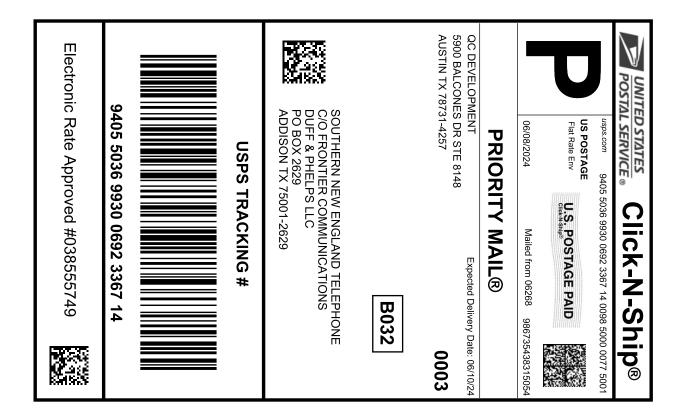
| Text & Email Updates | ~ |
|----------------------|---|
| USPS Tracking Plus® | ~ |
| Product Information | ~ |

See Less ∧

Track Another Package

Enter tracking or barcode numbers

reedback





Cut on dotted line.

Instructions

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Click-N-Ship® Label Record

USPS TRACKING #: 9405 5036 9930 0692 3367 14

Trans. #: Print Date: 603024086 06/05/2024 06/08/2024 Ship Date: Expected Delivery Date: 06/10/2024

Priority Mail® Postage: Total:

\$9.85 \$9.85

From: QC DEVELOPMENT

> 5900 BALCONES DR STE 8148 AUSTIN TX 78731-4257

SOUTHERN NEW ENGLAND TELEPHONE

C/O FRONTIER COMMUNICATIONS

DUFF & PHELPS LLC PO BOX 2629

ADDISON TX 75001-2629

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.



Thank you for shipping with the United States Postal Service! Check the status of your shipment on the USPS Tracking® page at usps.com

USPS Tracking[®]

Remove X

Tracking Number:

9405503699300692336714

Copy Add to Informed Delivery (https://informeddelivery.usps.com/)

Expected Delivery on

MONDAY

10 June 2024 (i)

9:00pm **②**

Your item arrived at the Post Office at 7:34 am on June 10, 2024 in ADDISON, TX 75001.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Preparing for Delivery

Arrived at Post Office

ADDISON, TX 75001 June 10, 2024, 7:34 am

Departed USPS Regional Facility

COPPELL TX DISTRIBUTION CENTER June 10, 2024, 7:00 am

See All Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

V