



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

May 30, 2025

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 2025
N 41.220417
W 73.058889

Dear Ms. Bachman:

AT&T intends to install a temporary cellular communications facility for service during the 2025 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 2025. 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.

Delivery Status

Tracking Number

[4207500126299405530109355159389053](#)



View Tracking History ^

2025-06-01, 12:00 AM

In Transit to Next Facility, Arriving On Time

,

Your package is moving within the USPS network and is on track to be delivered by the expected delivery date. It is currently in transit to the next facility.

2025-05-31, 7:31 PM

Arrived at USPS Regional Origin Facility
QUEENS NY DISTRIBUTION CENTER,

2025-05-31, 8:40 AM

Departed Post Office
ROSCOE, NY 12776

The Milford Oyster Festival will be held in the area of Milford Harbor on August 15-16, 2025.

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 July 30th. The site will begin on-air operations on August 15th and be removed on or around August 20th.

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 (1) CCI MBA10-6F-BU-H3 and (1) Galtronics GP2406-06670 antenna at 60 feet, (2) Ericsson AIR6472 B77D antennas at 55 feet and (2) Kathrein 840-10520 antennas at 50 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 44.04% 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 2025 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

Mark Roberts
Consultant for SAI
Mark.Roberts@QCDevelopment.net

Attachments

cc: Mayor Anthony S. Giannattasio – Elected Official
David Sulkis – Milford City Planner
SNET / Frontier Communications – Property Owner



Property Information

Property Location	74 HIGH ST
Owner	SOUTHERN NEW ENGLAND TEL
Co-Owner	C/O FRONTIER COMMUNICATIONS
Mailing Address	PO BOX 2629 ADDISON TX 75001
Land Use	316I COMM WHSE MDL-96
Land Class	C
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

Year Built	1930
Building Desc.	COMM WHSE
Building Style	Warehouse
Building Grade	AVERAGE
Stories	2
Occupancy	1.00
Exterior Walls	Brick/Masonry
Exterior Walls 2	NA
Roof Style	Flat
Roof Cover	Tar & Gravel
Interior Walls	Minim/Masonry
Interior Walls 2	NA
Interior Floors 1	Vinyl/Asphalt
Interior Floors 2	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

City of Milford, CT

Property Listing Report

Map Block Lot

054 403 6

Bldg #

1

Sec #

1

PID

13416

Account

018107

Valuation Summary (Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	705960	494170
Extras	0	0
Improvements		
Outbuildings	15510	10860
Land	284960	199470
Total	1006430	704500

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	9732	9732
Basement, Finished	7232	0
Utility, Finished	1175	0
Upper Story, Finished	7232	7232
Total Area	25371	16964

Outbuilding and Extra Features

[illegible]

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
SOUTHERN NEW ENGLAND TEL	00294/3320	1946-02-14	0

From: [Mackerdichian, Celine](#)
To: [Mark Roberts](#)
Cc: [Fitts, Chance](#)
Subject: Oyster Festival 2025
Date: Wednesday, May 28, 2025 1:52:53 PM

Hi 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 2025.

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](#)

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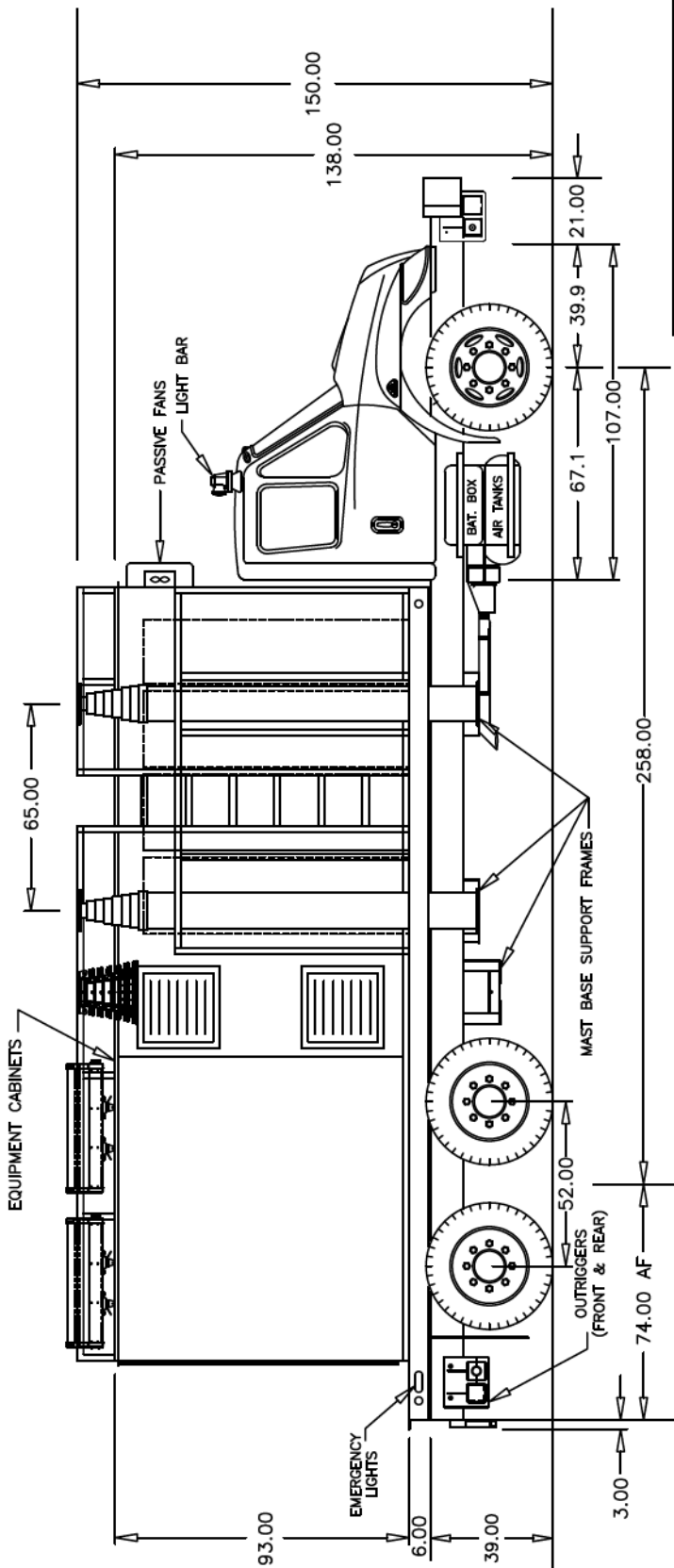
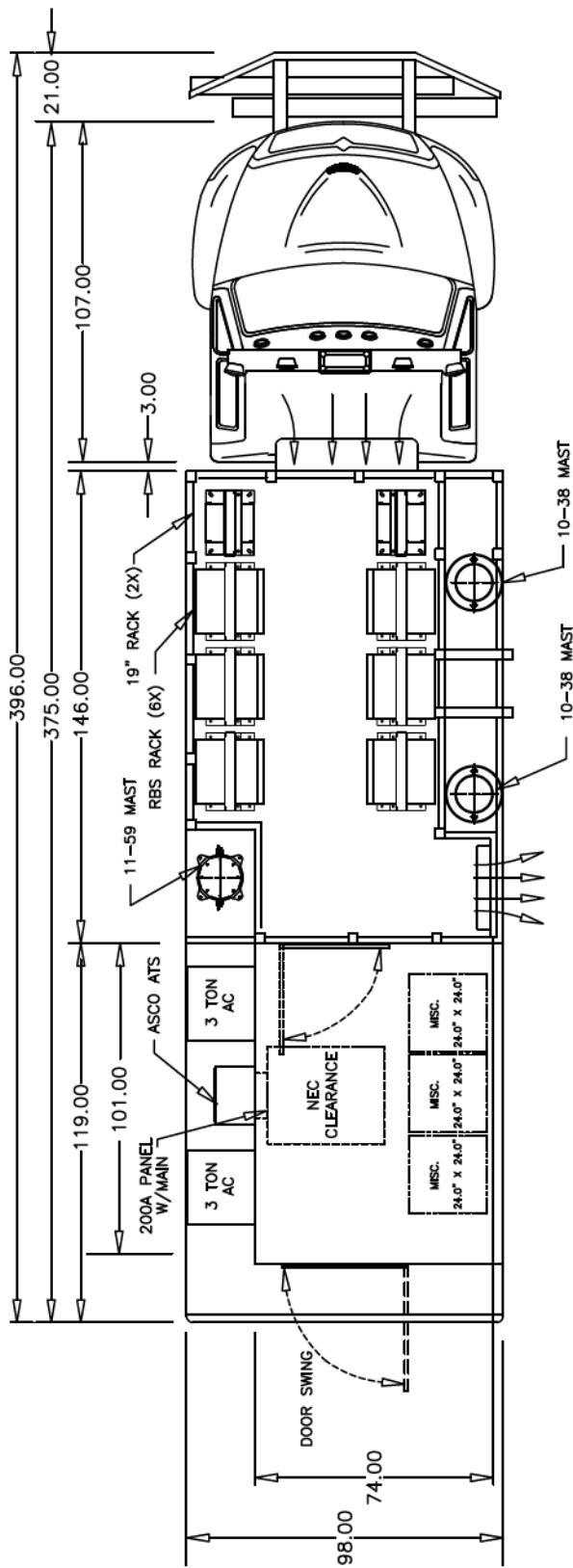
This map is for assessment purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The City of Milford and its mapping contractors assume no legal responsibility for the information contained herein.

Approximate Scale: 1 inch = 50 feet





Example of an AT&T COLT
(Masts in Stowed Position)



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SUN WEST ENGINEERING, INC.	
TITLE: INTERNATIONAL (MODEL 4300) TRUCK "COW" W/ EQUIPMENT CABINET	
PLAT SCALE: 3/32"=1"	SHEET: 1 of 1
DRAWN BY: JGZ	DATE DRAWN: 3-3-16
REVISED: 3-18-16	DWG. No. SW-55493

COLT Specifications

PowerPro™ Mobile Generators

Specifications

	PowerPro 25	PowerPro 40	PowerPro 45	PowerPro 65	PowerPro 125	PowerPro 150
Model	SDG25S-8E1	SDG40S-8B1	SDG45S-8E1	SDG65S-8C1	SDG125S-8B1	SDG150S-8B1
GENERATOR SPECIFICATIONS						
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	0.5%					
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 / 277V (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 SPECIFICATIONS						
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	Electronic					
Integral Fuel Tank Capacity	51.5 gal.	106 gal.	106 gal.	106 gal.	198 gal.	215 gal.
Fuel Containment	110%					
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 DIMENSIONS						
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						
LxWxH in. *	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)
GVWR	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 specifications are subject to change without notice.



C Squared Systems, LLC
65 Dartmouth Drive
Auburn, NH 03032
(603) 644-2800
support@csquaredsystems.com

Calculated Radio Frequency Emissions Report



CT5764
74 High Street, Milford, CT

May 28, 2025

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1. Introduction

The purpose of this report is to investigate compliance with applicable FCC regulations for the proposed temporary deployment of AT&T antenna arrays mounted on top of the Super COLT (Cell On Light Truck) at 50', 55', 60' AGL located on 74 High Street for the 2025 Oyster Festival in Milford, CT. the coordinates of Super Colt are 41° 13' 13.43" N, 73° 03' 31.87" W.

AT&T is proposing to deploy six (6) directional antennas on its Mini Super Colt to support its 4G LTE and 5G NR networks as well as the FirstNet National Public Safety Broadband Network ("NPSBN") during the Milford Oyster Festival celebration in Milford, CT.

This report considers the proposed antenna configuration for AT&T to calculate the resulting % Maximum Permissible Exposure (MPE) at ground level around the facility.

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 documents referenced in Attachment A 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 B 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.

3. RF Exposure Prediction Methods

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

$$\text{Power Density} = \left(\frac{GRF^2 \times \text{EIRP}}{4\pi \times R^2} \right) \times \text{Off Beam Loss}$$

Where:

EIRP = Effective Isotropic Radiated Power

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

H = Horizontal Distance from antenna

V = Vertical Distance from radiation center of antenna

Off Beam Loss is determined by the selected antenna patterns

GRF = Ground reflection factor of 1.6

These calculations assume that the antennas are operating at full power and 100 percent capacity, and that all antenna channels are transmitting simultaneously. Obstructions (trees, buildings, etc.) that would normally attenuate the signal are not considered. The calculations assume level terrain in the area of study and do not account for actual terrain elevations which could attenuate the signal. As a result, the calculated power density and corresponding % MPE levels reported below are much higher than the actual signal levels will be from the final installation.

The percent of MPE values presented in this report reflect levels that one may encounter from one sector of a carrier's antennas. Most carriers use 3 or 4 sectors per site with azimuths approximately 90 or 120 degrees apart, respectively; therefore, one could not be standing in the main beam of all sectors at the same time. In cases where antenna models are not uniform across all sectors, the antenna model with the highest gain was used for the calculations. This results in a conservative or "worst case" assumption for percent of MPE calculations.

4. Antenna Inventory

Table 1 below outlines AT&T's proposed antenna configuration for the site. The associated data model and antenna patterns for these specific antenna models are included in Attachment C.

Operator	Sector / Azimuth	TX Freq (MHz)	Power at Antenna (Watts)	Ant Gain (dBi)	Power EIRP (Watts)	Antenna Model	Beam Width	Mech. / Elec. Tilt	Length (ft)	Antenna Centerline Height (ft)
AT&T	A / 55°	763	160	10.5	1795	84010520	72	0/6	2	50
		739	160	19	12709	MBA10-6F-BU-H3	5x11.6	0/6	3.4	60
		850	160	19	12709		5x9.9	0/6		
		1900	160	23.9	39275		10x5.3	0/4		
		2100	240	24.4	66101		10x4.6	0/4		
		3500	200	19.1	16257	AIR 6472	60	0/0	3	55
		3700	200	18.9	15525					
	C / 300°	763	160	10.5	1795	84010520	72	0/0	2	50
		739	160	12.6	2912	GP2406-06670	39.6	0/6	2	60
		850	160	13	3192		33.9	0/6		
		1900	160	15.5	5677		32.4	0/4		
		2100	240	15.5	8516		32.4	0/4		
		3500	200	19.1	16257	AIR 6472	60	0/0	3	55
		3700	200	18.9	15525					

Table 1: Proposed Antenna Inventory^{1 2}

¹ Antenna configuration is in reference to AT&T's Radio Frequency Design Sheet dated 5/5/2025.

² Transmit power assumes 0 dB of cable loss.

5. Calculation Results

The calculated % MPE results for the proposed antenna configuration are shown in Figure 1 below. Each frequency band and technology is calculated as well as the resulting cumulative percent of MPE. 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 ± 5 degrees of the true mathematical angle) to incorporate a realistic worst-case scenario.

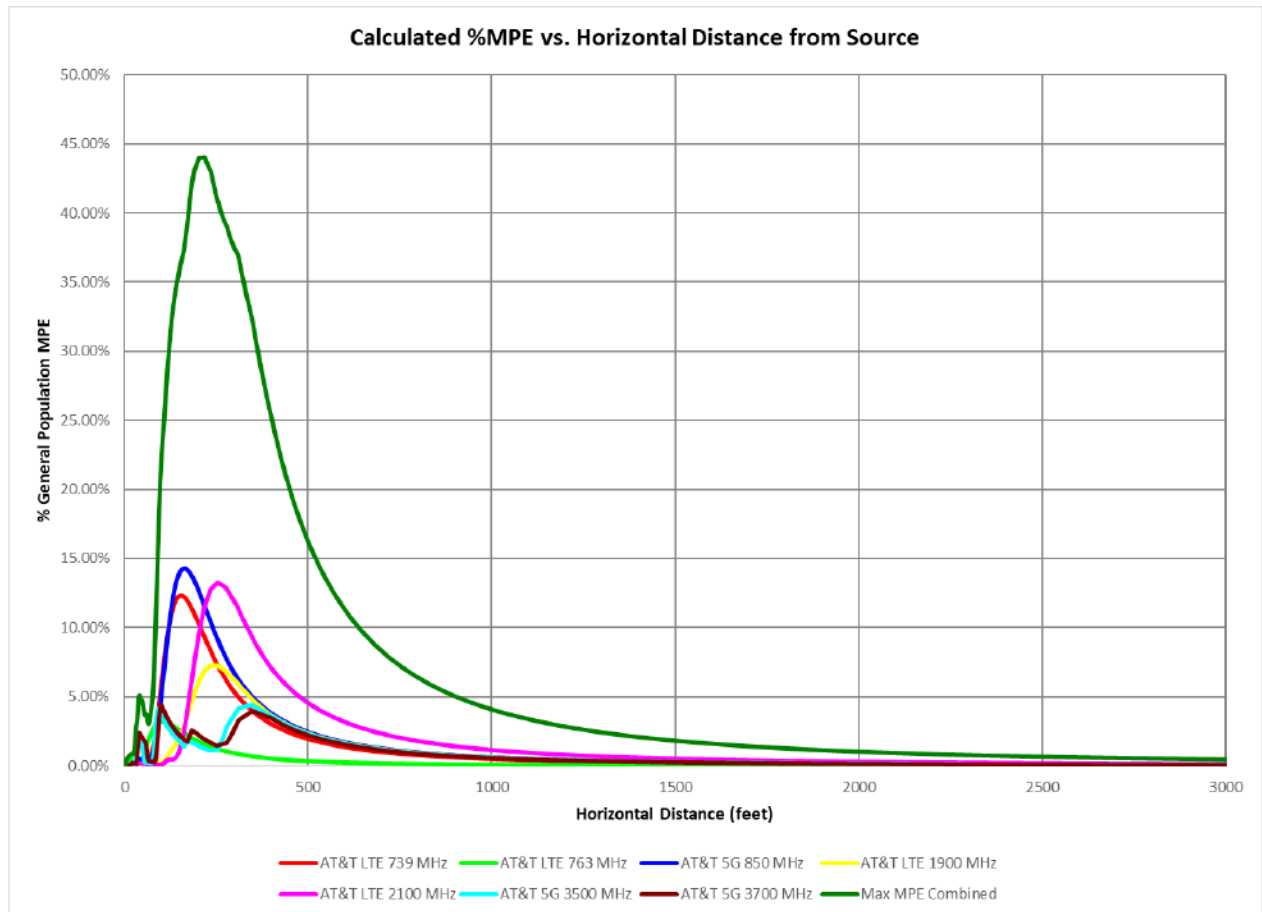


Figure 1: Graph of General Population % MPE vs. Distance

The highest percent of MPE (**44.04% of the General Population limit**) is calculated to occur at a horizontal distance of 216 feet from antennas. Please note that the percent of MPE calculations close to the site consider 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 450 feet and beyond, one would now be in the main beam of the antenna patterns and off beam loss is no longer considered. Beyond this point, power density levels vary based on distance from the site and the percent of MPE decreases significantly as distance from the site increases.

Table 2 below lists percent of MPE values as well as the associated parameters that were included in the calculations. As stated in Section 3, all calculations assume that the antennas are operating at 100 percent capacity, and that all antenna channels are transmitting simultaneously. Obstructions (trees, buildings etc.) that would normally attenuate the signal are not taken into account. Additionally, a six-foot height offset was considered in this analysis to account for the height of a person standing at ground level. As a result, the calculated % MPE levels are significantly higher than the actual signal levels will be from the final installation. The results presented in Figure 1 and Table 2 assume level ground from the base of the site 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 Density (mW/cm ²)	Limit (mW/cm ²)	% MPE
AT&T 5G 3500 MHz	1	200.0	55.0	216	0.012657	1.000	1.27%
AT&T 5G 3700 MHz	1	200.0	55.0	216	0.019558	1.000	1.96%
AT&T 5G 850 MHz	1	160.0	60.0	216	0.066240	0.567	11.69%
AT&T LTE 1900 MHz	1	160.0	60.0	216	0.068066	1.000	6.81%
AT&T LTE 2100 MHz	1	240.0	60.0	216	0.113214	1.000	11.32%
AT&T LTE 739 MHz	1	160.0	60.0	216	0.046373	0.493	9.41%
AT&T LTE 763 MHz	1	160.0	55.0	216	0.008065	0.509	1.59%
Total							44.04%

Table 2: Maximum Percent of General Population Exposure Values^{3 4}

³ Frequencies listed are representative of the operating band and are not the specific operating frequency.

⁴ The total % MPE listed is a summation of each unrounded contribution. Therefore, summing each rounded value may not reflect the total value listed in the table.

6. Conclusion

The above analysis concludes 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 **44.04% of the FCC limit (General Population/Uncontrolled)**. This maximum cumulative percent of MPE value is calculated to occur 216 feet away from the site.

7. Statement of Certification

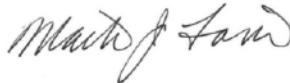
I certify to the best of my knowledge that the statements in this report are true and accurate. The calculations follow guidelines set forth in ANSI/IEEE Std. C95.1, ANSI/IEEE Std. C95.3, and FCC OET Bulletin 65 Edition 97-01.



May 27, 2025

Report Prepared By: Ram Acharya
RF Engineer
C Squared Systems, LLC

Date



May 28, 2025

Reviewed/Approved By: Martin Lavin
Senior RF Engineer
C Squared Systems, LLC

Date

Attachment A: References

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

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

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

(A) Limits for Occupational/Controlled Exposure⁵

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 Exposure⁶

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 3: FCC Limits for Maximum Permissible Exposure

⁵ 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.

⁶ 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.

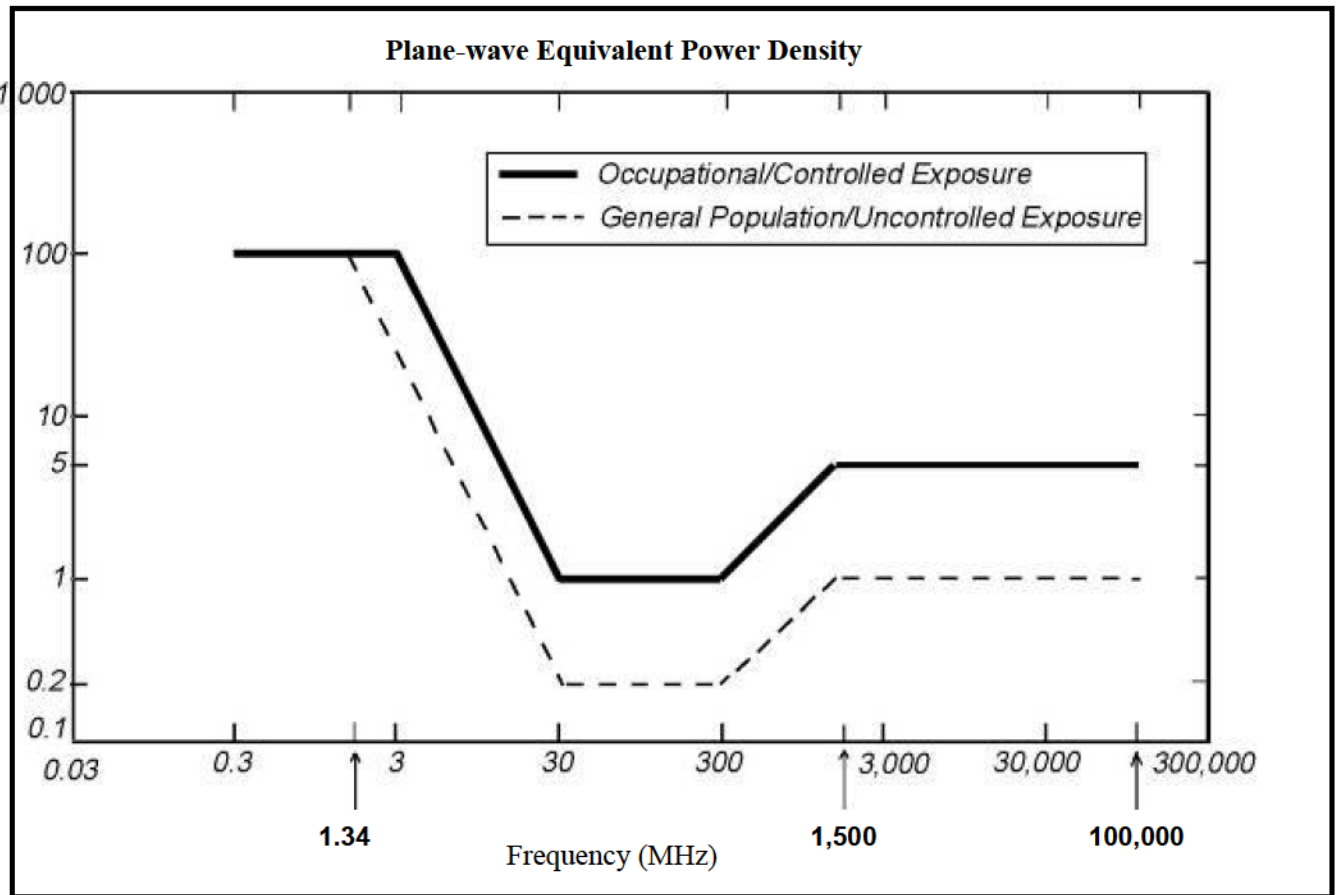
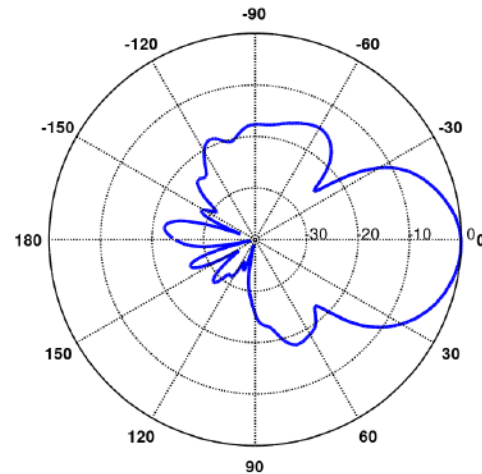


Figure 2: Graph of FCC Limits for Maximum Permissible Exposure (MPE)

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

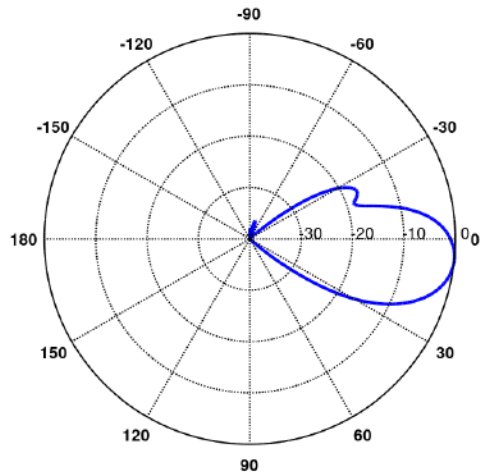
739 MHz

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"



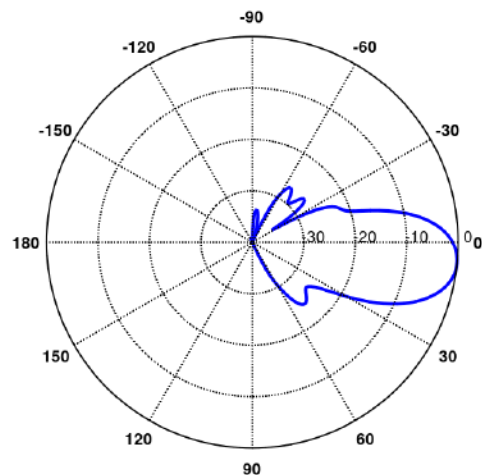
763 MHz

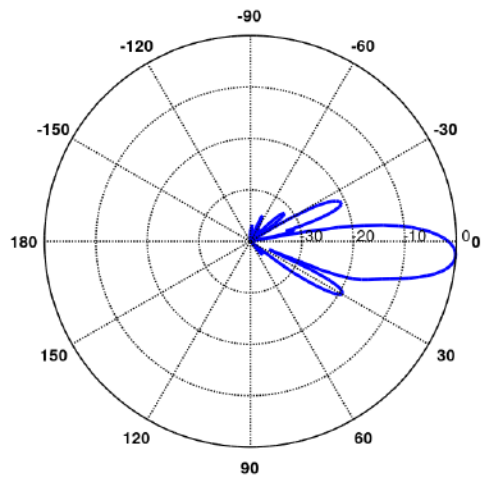
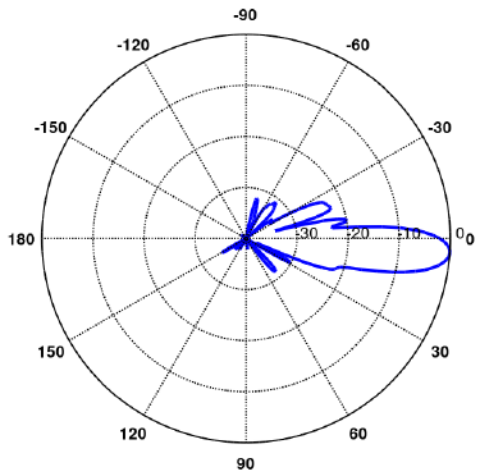
Manufacturer: CCI
 Model #: MBA10-6F-BU-H3
 Frequency Band: 698-806 MHz
 Gain: 19 dBi
 Vertical Beamwidth: 22.2°
 Horizontal Beamwidth: 5x11.6°
 Polarization: Dual Linear 45°
 Size L x W x D: 40.8" x 83.0" x 11.6"




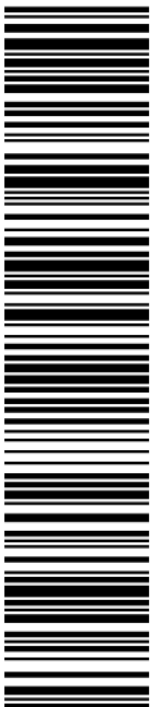




850 MHz

Manufacturer: CCI
 Model #: MBA10-6F-BU-H3
 Frequency Band: 824-896 MHz
 Gain: 19.7 dBi
 Vertical Beamwidth: 22.2°
 Horizontal Beamwidth: 5x9.9°
 Polarization: Dual Linear 45°
 Size L x W x D: 40.8" x 83.0" x 11.6"



<p>1900 MHz</p> <p>Manufacturer: CCI Model #: MBA10-6F-BU-H3 Frequency Band: 1850-1990 MHz Gain: 23.9 dBi Vertical Beamwidth: 11.4° Horizontal Beamwidth: 10x5.3° Polarization: Dual Linear 45° Size L x W x D: 40.8" x 83.0" x 11.6"</p>	
<p>2100 MHz</p> <p>Manufacturer: CCI Model #: MBA10-6F-BU-H3 Frequency Band: 2110-2180 MHz Gain: 24.4 dBi Vertical Beamwidth: 12.6° Horizontal Beamwidth: 4x11.4° Polarization: Dual Linear 45° Size L x W x D: 40.8" x 83.0" x 11.6"</p>	
<p>3500/3700 MHz</p> <p>Manufacturer: ERICSSON Model #: AIR 6472 B77G B77M Frequency Band: 3450-3550 MHz 3840-3980 MHz Gain: - dBi Vertical Beamwidth: 87-105° Horizontal Beamwidth: 60° Polarization: N/A° Dimensions (L x W x D): 36.3" x 15.83" x 7.4"</p>	<p>N/A</p>

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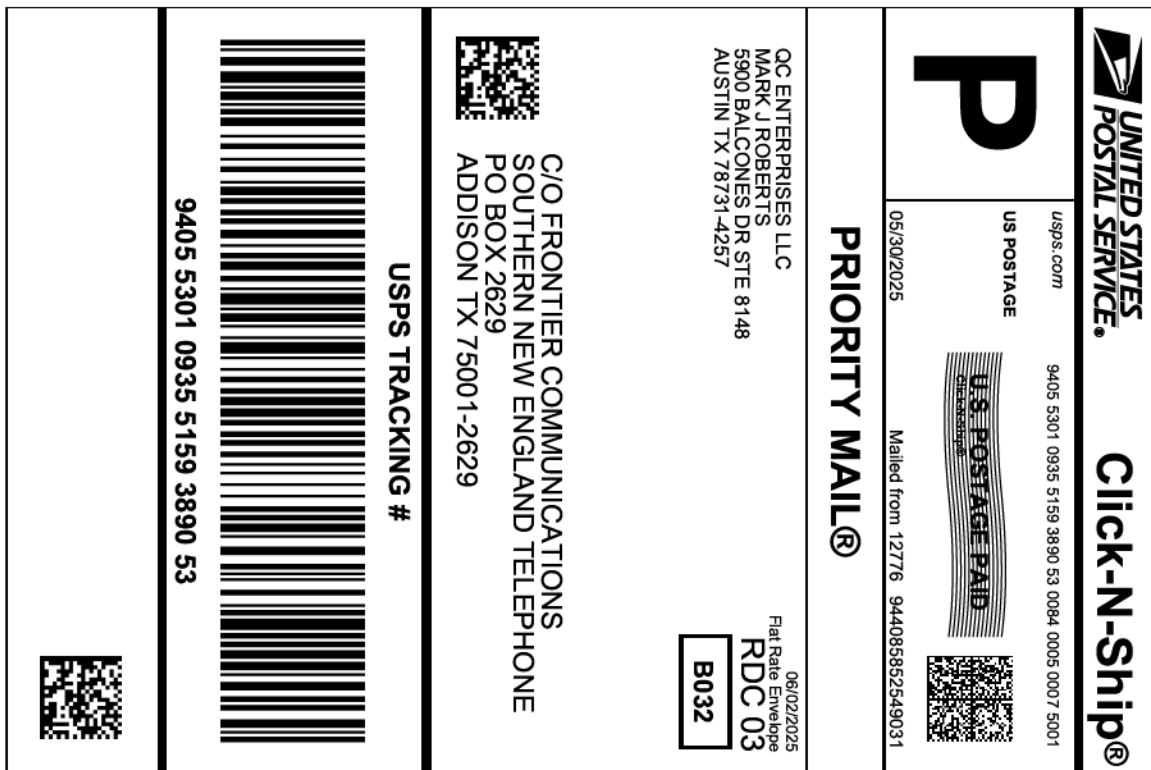
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