

VIA ELECTRONIC MAIL

August 25, 2022

Evan Renwick Site Acquisition Specialist Centerline Communications, LLC 750 West Center Street, Suite 301 West Bridgewater, MA 02379 <u>erenwick@clinellc.com</u>

RE: EM-CING-034-220725 – New Cingular Wireless PCS, LLC (AT&T) notice of intent to modify an existing telecommunications facility located at 144 Old Boston Road, Danbury, Connecticut.

Dear Mr. Renwick:

The Connecticut Siting Council (Council) received a notice of intent to modify the abovereferenced facility on July 25, 2022. On August 18, 2022, the Council issued a letter (enclosed) stating that the request for exempt modification is incomplete because the Structural Analysis Report and RF Emissions Analysis Report contained information that did not match the Site Plan A-4 Antenna Schedule.

On August 23, 2022, the Council received an electronic mail with a revised Structural Opinion Letter and a revised Radio Frequency Analysis Report.

Council staff reviewed the response to the incomplete request and identified a deficiency. A Structural Opinion Letter dated July 29, 2022 was submitted; however, the Council requires a Structural Analysis Report for AT&T's proposed tower loading that states the percent loading of the tower's capacity.

Therefore, the exempt modification request remains incomplete at this time. The Council recommends that Centerline Communications, LLC provide a revised Structural Analysis Report that includes the percent loading of the proposed and existing equipment on the tower on or before September 21, 2022. If additional time is needed to gather the requested information, please submit a written request for an extension of time prior to September 21, 2022. Please provide an electronic version of the requested information for the incomplete exempt modification to be rendered complete and processed. Please include the Council's exempt modification identification number referenced above with the submittal.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

Muliikhart

Melanie A. Bachman Executive Director

MAB/RDM/emr

From: Evan Renwick <erenwick@clinellc.com>
Sent: Tuesday, August 23, 2022 3:09 PM
To: Robidoux, Evan <Evan.Robidoux@ct.gov>
Cc: CSC-DL Siting Council <Siting.Council@ct.gov>
Subject: RE: Council Incomplete Letter for EM-CING-034-220725 (144 Old Boston Road, Danbury)

EXTERNAL EMAIL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe. Good afternoon,

Attached is a revised SA and EME along with the incomplete exempt modification letter (EM-CING-034-220725) for the above referenced address.

A hard copy of these documents will be mailed to you via UPS to the Connecticut Siting Council office, and should arrive shortly. Please let me know if you have any questions or require any additional information. Thank you.

<u>Best Regards,</u>

<u>Evan Renwick</u> <u>Centerline Communications, LLC</u> <u>Site Acquisition Specialist</u> <u>Cell: (774)428-0194</u> <u>750 W Center St, #301, West Bridgewater, MA 02379</u> <u>erenwick@clinellc.com</u>







GPD Engineering and Architecture Professional Corporation Brian Daugherty 520 South Main Street, Suite 2531 Akron, OH 44311 (216) 927-8687 bdaugherty@gpdgroup.com

GPD# 2022703.82

July 29, 2022

STRUCTURAL OPINION LETTER

AT&T DESIGNATION:	USID #: Site FA #: Client #: Site Name:	60417 10034995 CT2133 DANBURY- MOSES MTN.
ANALYSIS CRITERIA:	Codes:	TIA-222-H & 2015 IEBC 115 mph (3-second gust) w/ 0" ice 50 mph (3-second gust) w/ 1" ice
SITE DATA:		Moses Mountain, Danbury, CT 6810, Fairfield County Latitude 41° 21' 34.27" N, Longitude 73° 27' 55.69" W Market: NEW ENGLAND 64.3' Modified Self-Support Tower

To whom it may concern,

GPD is pleased to submit this Structural Opinion Letter to determine the structural integrity of the aforementioned structure. The purpose of this opinion letter is to determine the suitability of the supporting structure with the existing and proposed loading configuration detailed in Appendix A of this report.

This opinion letter assumes that the structure has been well maintained and is in good condition with no structural defects. This is not a condition assessment of the structure. This letter is not based on a computer structural analysis and is only a review based on the proposed loading configuration in Appendix A, the previous construction drawings by HDG (Site #: CTL02133 Rev. B, dated 7/15/2022), and the previous tower analysis by GPD (Project #: 2022702.65, dated 5/20/2022).

Based on the proposed loading configuration, it was determined that the proposed loading configuration will have a negligible impact on the overall wind area of the structure. Additionally, the change in the gravity loads caused by the proposed loading will have a negligible impact on the overall structure. The increase in capacity of any individual structural component is found to be less than 5% for gravity loads and 10% for lateral loads when compared to the original design, and will not require alteration per Section 403.3 and Section 403.4 Exception #1, respectively, of the 2015 IEBC. In our opinion, the supporting structure will be sufficient for the proposed loading configuration.

We at GPD appreciate the opportunity of providing our continuing professional services to you and Centerline Communications. If you have any questions or need further assistance on this or any other projects please do not hesitate to call.

Respectfully submitted,



Christopher J. Scheks, P.E. Connecticut #: 0030026

> 520 South Main Street . Suite 2531 . Akron, Ohio 44311 . 330-572-2100 . Fax 330-572-2101 . www.GPDGroup.com GPD Engineering And Architecture Professional Corporation

APPENDIX A

Loading Summary Form

Loading Summary Form

Site Name	DANBURY- MOSES MTN. (CT2133)
Site USID Number	60417
Site FA Number	10034995
Date of Analysis	7/29/2022
Company Performing Analysis	GPD

 Structure Info
 Description
 Date

 Tower Type (G. SST, MP)
 Wireline

 Tower Height (op datek ACL)
 64.3

 Mount Monufacturer
 ola

 Mount Model
 ola

 Mount Mapping
 nia

 Mount Mapping
 nia

 Previous Nourd Analysis
 HDO Site #: CT2133
 7/8/2022

 Mount Modification Design
 nia

 Tower Height (Modification Design)
 nia

 Previous Nourd Analysis
 GDD Project #: 2022702.65
 5/20/2022

The information contained in this summary report is not to be used independently from the PE stamped structural opinion letter.

Design Parameters

Design Code Used	TIA-222-H
Location of Tower (County, State)	Fairfield, CT
Wind Speed (mph)	115 (3-second gust)
Ice Thickness (in)	1
Risk Category (I, II, III)	
Exposure Category (B, C, D)	В
Topographic Category (1 to 5)	5

	Antenna Mount											
	Mount			T				0.0	Tree			
Antenna Owner	Height (ft)	Antenna CL (ft)	Quantity	i ype	Manufacturer	Model	Azimuth	Quantity	Manutacturer	туре		
Unknown	64	70	1	Yagi	Unknown	2' Yagi		2	Unknown	I-Beam Mount		
Verizon	64	69	4	Panel	Decibel	DB846F65ZAXY	0/240			on the same mounts		
Verizon	64	69	4	Panel	Andrew	HBXX-6516DS-A2M	0/240			on the same mounts		
Verizon	64	69	2	Panel	Kathrein	800 10734	0/240			on the same mounts		
Verizon	64	69	2	RRH	Alcatel Lucent	RRH4x45 AWS				on the same mounts		
Verizon	64	69	2	RRH	Alcatel Lucent	RRH 2x60 PCS				on the same mounts		
Verizon	64	69	2	Dist. Box	Raycap	RC2DC-3315-PF-48				on the same mounts		
Verizon	64	73.5	1	GPS	Unknown	GPS		1		on the same mounts		
Town of Ridgefield	63	63	1	Dish	Commscope	VHLP3-11W-6GR		1	Unknown	Pipe Mount		
AT&T Mobility	60	57	3*	Panel	Powerwaye	7770	20/140/270	3	Unknown	10' T-Boom		
AT&T Mobility	60	57	3**	Panel	KMW	EPBO-654L8H6-L2	20/140/270	-		on the same mounts		
AT&T Mobility	60	57	3*	Panel	CCI	HPA-65R-BUU-H6	20/140/270			on the same mounts		
AT&T Mobility	60	57	3	RRII	Friesson	4478 B14				on the same mounts		
AT&T Mobility	60	57	2*	PRII	Friceson	4478 85		I		on the same mounts		
AT&T Mobility	60	57	2	PPII	Ericsson	PPUS 22 P2		I		on the same mounts		
AT & T MODILLY	60	57	3	RRU	Ericsson	KRU5-32 B2	-			on the same mounts		
AT&T MODILLY	60	57	3	RRU	Encsson	4420 800				on the same mounts		
AI&I MODIlity	60	5/	31	RRU	Ericsson	RRUS-11 B12				on the same mounts		
AT&T Mobility	60	57	3	RRU	Ericsson	RRUS-32 B30		l		on the same mounts		
AT&T Mobility	60	57	6*	ТМА	Powerwave	LGP 17201				on the same mounts		
AT&T Mobility	60	57	3*	Surge	Raycap	DC6-48-60-18-8F				on the same mounts		
AT&T Mobility	60	55	1	Dish	Radiowaves	SPD2-5.8NS				on the same mounts		
Dept. of Emergency Services an	60	60	1	Dish	RFS	PA6-65	164	1	Unknown	Pipe Mount		
Town of Ridgefield	60	60	1	Dish	Commscope	VHLP3-11W-6GR		1	Unknown	Pipe Mount		
Unknown	58	58	1	Dish	Radiowayes	SPD2-5.8NS	330			Leg Mounted		
Unknown	58	58	1	ODU	Unknown	12"x10"x4" ODU				Leg Mounted		
Unknown	57	63	1	Omni	Unknown	12' Omni		1	Unknown	Collar Mount		
UNIT OF THE OWNER OF	01	00			Children (12 01111		l	Unitioniti	oonar mount		
Dant of Emergence Considers of		**	4	Dish	DEC	DAC CE	40.0	4	University	Dine Meunt		
Dept. or Emergency Services an	55	55	1	Disn	RFO	PA0-00	42.3	P	Unknown	Pipe wount		
	50											
Unknown	53	5/	1	DIDOIE	Unknown	8. Dibole		1	Unknown	Pipe mount		
Dept. of Emergency Services an	50	57	1	Omni	Decibel	DB806D		1	Unknown	I-Beam Side Arm		
Dept. of Emergency Services an	50	60	1	Omni	RFI Wireless	BA80-41-DIN				on the same mount		
Unknown	50	55	1	Omni	Unknown	10' Omni		1	Unknown	6' Standoff		
Unknown	50	57	1	Omni	Unknown	6' Omni		1	Unknown	Pipe Mount		
Unknown	50	54	1	Dipole	Unknown	8' Dipole		1	Unknown	Pipe Mount		
Unknown	50	52	1	TMA	Unknown	20" x 8" x 6" TMA		1	Unknown	Pipe Mount		
Unknown	50	45	1	Omni	Unknown	10' Omni		1	Unknown	Standoff on Pipe Mount		
Dept. of Emergency Services an	50	54	1	Yaqi	Telewaye	UHE450 Antenna		1	Unknown	Pipe Mount		
Dont of Emorgonou Sonvicos as	50	50	4	Omni	Tolowayo	VHE150 Antonna		4	Unknown	I Room Sido Arm		
Dont of Emergency Services at	50	44	i.	Dipolo	Desibel	DD264 A	1	Ľ	GIANOWI	on the same mount		
Dept. of Emergency Services an	50	50		Denel	Amphanal	WDA TOOLOG ACE EDIN O	405	I		on the same mount		
Dept. of Emergency Services an	50	50	1	rafiel	Amphenoi	WPA-700120-4CF-EDIN-0	190	-		on the existing I-Beam		
Dept. of Emergency Services ar	50	50	1	AII	IX RX Systems	432E-83I-01T	1	I		on the existing I-Beam		
Dept. of Emergency Services an	50	45	1	Omni	Sinclair	SC479-HF1LDF				on the existing I-Beam		
Dept. of Emergency Services an	50	45	1	Omni	Sinclair	SC479-HF1LDF		-		on the existing standoff		
		1		I								
Unknown	50	44	1	Omni	Unknown	12' Omni		1	Unknown	6' Standoff		
Unknown	46	46	14	Grid Dich	Ulpknown	DDETV 49/7E	1	14	Unknown	4' Standoff		

Unknown [46] 46 *Indicates equipment/feedline quantity to be removed ***Indicates quantity to be reloacted to positions A2, B2, & C4

Proposed Configuration

			Mount							
Antenna Owner	Mount Height (ft)	Antenna CL (ft)	Quantity	Туре	Manufacturer	Model	Azimuth	Quantity	Manufacturer	Туре
AT&T Mobility	52	49	3	Panel	Ericsson	AIR6449 B77D+AIR6419 B77G STACKED	20/140/270			on the same mounts
AT&T Mobility	60	57	3	Panel	CCI	OPA65R-BU6DA	20/140/270			on the same mounts
AT&T Mobility	60	57	3	RRU	Ericsson	4449 B5/B12				on the same mounts
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Note: The proposed loading shall be in addition to the remaining existing equipment at the same elevation.



Radio Frequency Exposure Analysis Report

August 23, 2022

Centerline on behalf of AT&T Centerline Communications Project Number: 566670

> AT&T Site Name: Danbury- Moses MTN. Site Number: CT2133 FA#: 10034995 USID: 60417

Site Address: Moses Mountain, Danbury, CT 06810

Site Compliance Summary

AT&T Compliance Status:	Compliant
Cumulative Calculated Power Density (Ground Level):	34.57426 μW/cm²
Cumulative General Population % MPE (Ground Level):	3.57583%



August 23, 2022

Centerline Attn: Jennifer Iliades, Project Manager 750 W Center St, Suite 301 West Bridgewater, MA 02379

RF Exposure Analysis for Site: Danbury-Moses MTN.

Centerline Communications, LLC ("Centerline") was contracted to analyze the proposed AT&T facility at **Moses Mountain, Danbury, CT 06810** for the purpose of determining whether the predictive exposure from the proposed facility is within specified federal limits.

All information used in this report was analyzed as a percentage of the Maximum Permissible Exposure (% MPE) limits as detailed in 47 CFR § 1.1310 as well as Federal Communications Commission (FCC) OET Bulletin 65 Edition 97-01. The FCC MPE limits are typically expressed in units of milliwatts per square centimeter (mW/cm²) or microwatts per square centimeter (μ W/cm²). The exposure limits vary depending upon the frequencies being utilized. The General Population/Uncontrolled MPE limit (in mW/cm²) for frequencies between 300 and 1500 is defined as frequency (in MHz) divided by 1500 ($f_{MHz}/1500$). Frequencies between 1500 and 100,000 MHz have a General Population/Uncontrolled MPE limit of 1 mW/cm² (1000 μ W/cm²). The calculated power density at each sample point divided by the limit at each calculated frequency provides a result in % MPE. Summing the calculated % MPE from all contributors provides a cumulative % MPE at a particular sample point. Wireless carriers use different frequency bands with varying MPE limits; therefore, it is useful to report results in terms of % MPE as opposed to power density.

All results were compared to the FCC radio frequency exposure rules as detailed in 47 CFR § 1.1307(b) to determine compliance with the MPE limits for General Population/Uncontrolled environments as defined below.

<u>General population/uncontrolled exposure</u> limits apply to situations in which the general population 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 population 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.

<u>Occupational/controlled exposure</u> 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 population/uncontrolled limits, 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. Additional details can be found in FCC OET 65.



Calculation Methodology

Centerline Communications, LLC has performed theoretical modeling of the site using a software tool, RoofMaster[®], which incorporates calculation methodologies detailed in FCC OET 65. RoofMaster[®] uses a cylindrical model for conservative power density predictions within the near field of the antenna where the antenna pattern has not truly formed yet. Within this area power density values tend to decrease based upon an inverse distance function. At the point where it is appropriate for modeling to change from near-field calculations to far-field calculations, the power decreases inversely with the square of the distance. The modeling is based on worst-case assumptions in terms of transmitter power and duty cycle. No losses were included in the power calculations unless they were specifically provided for the project.

In OET 65, a far field model is presented to calculate the spatial peak power density. The RoofMaster[®] implementation of this model incorporates antenna manufacturer's horizontal and vertical pattern data to determine the power density in all directions. This model yields the power density at a single point in space. In order to determine the spatial power density for comparison to the FCC limits, the average of several points calculated within the human profile (0-6') must be conducted. RoofMaster[®] calculates seven power density values between 0-6' above the specified study plane and performs a linear spatial average.



Data & Results

The following table details the antennas and operating parameters for the AT&T antenna system as well as any other antenna systems at the site. This is based on antenna information provided by the client and data compiled from other sources where necessary. The data below was input into Roofmaster[®] to perform the theoretical exposure calculations at ground level.

The theoretical calculations performed in Roofmaster[®] determine the cumulative exposure at all sample points at ground level (0-6' spatial average). The results from highest cumulative sample point at ground level surrounding the site are displayed in the table below. The contribution from directional antennas to the maximum cumulative totals varies greatly depending on location; therefore, the contribution from one antenna sector at the highest calculated exposure point may be greater or less than other sectors since sectorized directional antennas are pointed in different directions and there is not much overlapping exposure.

The contribution to the cumulative power density and % MPE for each antenna/frequency band is listed in the table. The cumulative power density and cumulative % MPE are displayed at the bottom of the table.



Maximum Calculated Cumulative Power Density @ Ground Level (Location: approximately 7' NE of site)

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density (uW/cm ²)	General Population MPE Limit (uW/cm ²)	General Population % MPF
AT&T A 1	KMW EPBQ-654L8H6	700	11.93	60.00	4.00	30.00	1871.46	0.19337	466.67	0.04144
AT&T A 1	KMW EPBQ-654L8H6	1900	15.11	60.00	2.00	30.00	1946.04	0.10425	1000.00	0.01043
AT&T A 1	KMW EPBQ-654L8H6	1900	15.18	60.00	2.00	30.00	1977.66	0.10058	1000.00	0.01006
AT&T A 1	KMW EPBQ-654L8H6	2100	15.77	60.00	2.00	30.00	2265.43	0.08709	1000.00	0.00871
AT&T A 1	KMW EPBQ-654L8H6	2100	15.77	60.00	2.00	30.00	2265.43	0.08709	1000.00	0.00871
AT&T A 2	CCI OPA65R-BU6D	700	11.35	60.00	2.00	30.00	818.75	4.08816	1000.00	0.40882
AT&T A 2	CCI OPA65R-BU6D	2300	15.05	60.00	4.00	18.00	2303.20	17.51574	1000.00	1.75157
AT&T A 2	CCI OPA65R-BU6D	850	11.95	60.00	2.00	30.00	940.05	7.58615	1000.00	0.75862
AT&T A 3	ERICSSON AIR6449	3700	23.55	52.00	1.00	108.40	24548.74	0.16569	466.67	0.03551
AT&T A 4	ERICSSON AIR6419 LTE	3450	22.85	52.00	1.00	54.20	10447.19	0.24231	1000.00	0.02423
AT&T A 4	ERICSSON AIR6419 NR	3450	22.85	52.00	1.00	54.00	10408.63	0.17876	566.67	0.03155
AT&T B 5	KMW EPBQ-654L8H6	700	11.93	60.00	4.00	30.00	1871.46	0.00012	466.67	0.00003
AT&T B 5	KMW EPBQ-654L8H6	1900	15.11	60.00	2.00	30.00	1946.04	0.00002	1000.00	0.00000
AT&T B 5	KMW EPBQ-654L8H6	1900	15.18	60.00	2.00	30.00	1977.66	0.00001	1000.00	0.00000
AT&T B 5	KMW EPBQ-654L8H6	2100	15.77	60.00	2.00	30.00	2265.43	0.00000	1000.00	0.00000
AT&T B 5	KMW EPBQ-654L8H6	2100	15.77	60.00	2.00	30.00	2265.43	0.00000	1000.00	0.00000
AT&T B 6	ERICSSON AIR6449	3700	23.55	52.00	1.00	108.40	24548.74	0.00540	1000.00	0.00054
AT&T B 7	ERICSSON AIR6419 LTE	3450	22.85	52.00	1.00	54.20	10447.19	0.03129	1000.00	0.00313
AT&T B 7	ERICSSON AIR6419 NR	3450	22.85	52.00	1.00	54.00	10408.63	0.00287	1000.00	0.00029
AT&T B 8	CCI OPA65R-BU6D	700	11.35	60.00	2.00	30.00	818.75	0.00010	466.67	0.00002
AT&T B 8	CCI OPA65R-BU6D	2300	15.05	60.00	4.00	18.00	2303.20	0.00018	1000.00	0.00002
AT&T B 8	CCI OPA65R-BU6D	850	11.95	60.00	2.00	30.00	940.05	0.00000	566.67	0.00000
AT&T C 9	CCI OPA65R-BU6D	700	11.35	60.00	2.00	30.00	818.75	0.00041	466.67	0.00009
AT&T C 9	CCI OPA65R-BU6D	2300	15.05	60.00	4.00	18.00	2303.20	0.00002	1000.00	0.00000
AT&T C 9	CCI OPA65R-BU6D	850	11.95	60.00	2.00	30.00	940.05	0.00003	1000.00	0.00000
AT&T C 10	ERICSSON AIR6449	3700	23.55	52.00	1.00	108.40	24548.74	0.00002	1000.00	0.00000
AT&T C 11	ERICSSON AIR6419 LTE	3450	22.85	52.00	1.00	54.20	10447.19	0.00002	1000.00	0.00000
AT&T C 11	ERICSSON AIR6419 NR	3450	22.85	52.00	1.00	54.00	10408.63	0.00375	1000.00	0.00038
AT&T C 12	KMW EPBQ-654L8H6	700	11.93	60.00	4.00	30.00	1871.46	0.00288	1000.00	0.00029
AT&T C 12	KMW EPBQ-654L8H6	1900	15.11	60.00	2.00	30.00	1946.04	0.00340	1000.00	0.00034
AT&T C 12	KMW EPBQ-654L8H6	1900	15.18	60.00	2.00	30.00	1977.66	0.00004	466.67	0.00001
AT&T C 12	KMW EPBQ-654L8H6	2100	15.77	60.00	2.00	30.00	2265.43	0.00000	1000.00	0.00000
AT&T C 12	KMW EPBQ-654L8H6	2100	15.77	60.00	2.00	30.00	2265.43	0.00003	566.67	0.00001
Unknown A 13	GENERIC PANEL 6FT	1900	15.84	74.00	2.00	60.00	4604.49	0.05957	1000.00	0.00596



Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density (µW/cm ²)	General Population MPE Limit (µW/cm ²)	General Population % MPE
Unknown A 14	GENERIC PANEL 6FT	600	12.33	74.00	2.00	60.00	2052.02	0.20188	400.00	0.05047
Unknown A 15	GENERIC PANEL 6FT	700	12.33	74.00	2.00	60.00	2052.02	0.24511	466.67	0.05252
Unknown A 15	GENERIC PANEL 6FT	2100	15.84	74.00	2.00	60.00	4604.49	0.26072	1000.00	0.02607
Unknown A 16	GENERIC PANEL	3700	23.55	74.00	4.00	80.00	72468.62	3.36996	1000.00	0.33700
Unknown B 17	GENERIC PANEL 6FT	1900	15.84	74.00	2.00	60.00	4604.49	0.00010	1000.00	0.00001
Unknown B 18	GENERIC PANEL 6FT	600	12.33	74.00	2.00	60.00	2052.02	0.00030	400.00	0.00008
Unknown B 19	GENERIC PANEL 6FT	700	12.33	74.00	2.00	60.00	2052.02	0.00038	466.67	0.00008
Unknown B 19	GENERIC PANEL 6FT	2100	15.84	74.00	2.00	60.00	4604.49	0.00002	1000.00	0.00000
Unknown B 20	GENERIC PANEL	3700	23.55	74.00	4.00	80.00	72468.62	0.01089	1000.00	0.00109
Unknown C 21	GENERIC PANEL 6FT	1900	15.84	74.00	2.00	60.00	4604.49	0.00009	1000.00	0.00001
Unknown C 22	GENERIC PANEL 6FT	600	12.33	74.00	2.00	60.00	2052.02	0.00006	400.00	0.00002
Unknown C 23	GENERIC PANEL 6FT	700	12.33	74.00	2.00	60.00	2052.02	0.00012	466.67	0.00003
Unknown C 23	GENERIC PANEL 6FT	2100	15.84	74.00	2.00	60.00	4604.49	0.00007	1000.00	0.00001
Unknown C 24	GENERIC PANEL	3700	23.55	74.00	4.00	80.00	72468.62	0.00288	1000.00	0.00029
Unknown A 25	GENERIC OMNI	450	5.96	57.00	1.00	25.25	99.60	0.00980	300.00	0.00327
Unknown A 26	GENERIC OMNI	450	5.96	57.00	1.00	25.25	99.60	0.01255	300.00	0.00418
							Cumulative Power Density:	34.57426 μW/cm²	Cumulative % MPE:	3.57583%



Summary

The theoretical calculations performed for this analysis yielded cumulative power density totals in all areas at ground level that are within the allowable federal limits for public exposure to RF energy. Therefore, the site is **compliant** with FCC rules and regulations in all publicly accessible areas.

Michelle Stone

Michelle Stone RF EME Technical Writer II Centerline Communications, LLC