


Structural Evaluation		
ATC Site Number & Name	306035 Unity Village MO 2, MO	Reviewed By: 
Carrier Site Number & Name	300446 SUMMIT WOODS	
Site Location	2150 NW LOWENSTEIN Lees Summit, MO 64081-1905, Jackson County 38.9336 N / 94.4175 W	
Tower Description	190.4 ft Self Support	
Basic Wind Speed	109 mph (3-second gust)	
Basic Wind w/ Ice	40 mph (3-second gust) w/1.5" radial ice concurrent	Created By: Maxmclean
Applicable Code	ANSI/TIA-222-H / 2009 IBC	
Evaluation Results: The loading in the tables below was evaluated with respect to the tower and foundation capacities. As future loading is added, or if actual loading is different from these tables, re-evaluation shall be required. This tower and foundation are adequate to support the below loads in conformance with specified requirements.		

Existing and Reserved Equipment

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
180.0	3	JMA Wireless MX08FRO665-21	Sector Frame	(1) 1.75" (44.5mm) Hybrid	DISH WIRELESS L.L.C.
	3	Fujitsu TA08025-B604			
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	1	Commscope RDIDC-9181-PF-48			
172.0	3	Andrew LNX-6515DS-A1M	Sector Frame	-	VERIZON WIRELESS
162.0	1	Andrew Microwaves UHX6-105	Leg	(1) EW37	AT&T MOBILITY
151.0	1	Raycap DC6-48-60-18-8C	Sector Frame	(2) 0.39" (10mm) Fiber Trunk (6) 0.76" (19.2mm) 8 AWG 6 (12) 1 5/8" Coax (1) 3/8" (0.38"- 9.5mm) RET Control Cable	
	1	Raycap DC6-48-60-18-8F ("Squid")			
	1	Raycap DC6-48-60-0-8F			
	3	Nokia AirScale RRH 4T4R B5 160W AHCA			
	1	Raycap DC6-48-60-18-8F			
	3	Powerwave Allgon TT08-19DB111-001			
	3	Alcatel-Lucent B25 RRH4x30			
	6	Quintel QS86512-2			
	3	Commscope SBNHH-1D65C			
	3	Nokia AEQK AirScale MAA 64T64R 192AE n77 200W			
	3	Alcatel-Lucent RRH4X25-WCS			
	3	Nokia AHLBBA			
	3	Alcatel-Lucent B66A RRH4x45-4R w/ Solar Shield			
121.6	3	Andrew SBNHH-1D65C	Sector Frame	(5) 1 5/8" Coax (2) 1.46" (37.1mm) Hybrid (6) 7/8" Coax	T-MOBILE
120.0	3	Nokia AEHC			
	3	Andrew TMBX-6517-A1M			
	3	Nokia AHFIG 70.55 lbs			
	3	Nokia AirScale Dual RRH 4T4R B12/71 240W AHLOA			
	2	Commscope HELIAX FiberFeed 12 RRU Pendant Connect			
	3	Commscope FFHH-65C-R3			

Equipment to be Removed

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
172.0	1	RFS DB-T1-6Z-12AB-0Z	-	(2) 1.25" (31.8mm) Hybrid	VERIZON WIRELESS
	1	RFS DB-B1-6C-12AB-0Z			
	3	Andrew LNX-6515DS-A1M			
	3	Ericsson AIR 32 B4A-B2P			
	3	Ericsson AIR 32 B2A-B4P			
	3	Ericsson RRUS B13 w/ RRUS A2			

Proposed Equipment

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
172.0	3	Ericsson Radio 4449 - B13&B5	Sector Frame	(2) 1 1/4" (1.25"-31.8mm) Fiber (1) 1 5/8" Hybriflex	VERIZON WIRELESS
	3	Ericsson 8843 Rev 2			
	3	Ericsson AIR 6449 B77D/ C-Band			
	1	RFS DB-C1-12C-24AB-0Z			
	6	Commscope NHH-65C-R2B			

¹ Contracted elevations are shown for appurtenances within contracted installation tolerances. Appurtenances outside of contract limits are shown at installed elevations.

Install proposed lines in the place of the existing VERIZON WIRELESS lines.