


Structural Evaluation		
ATC Site Number & Name	36075 LEE S SUMMIT #1B, MO	Reviewed By: 
Carrier Site Number & Name	N/A N/A	
Site Location	2200 LOWENSTEIN Lees Summit, MO 64081-1905, Jackson County 38.9332 N / 94.4176 W	
Tower Description	479 ft Guyed	
Basic Wind Speed	90 mph (3-Second Gust, V_{asd}) / 115 mph (3-Second Gust, V_{ult})	
Basic Wind w/ Ice	40 mph (3-second gust) w/1" radial ice concurrent	Created By: Kyle MacPetrie
Applicable Code	ANSI/TIA-222-G / 2012 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
485.0	1	Decibel DB264	Sector Frame	(1) 7/8" Coax	US DEPT OF JUSTICE
464.0	1	Generic 14' Omni	Side Arm	(1) 1 5/8" Coax	UNKNOWN
457.0	1	Generic 15' Omni	Side Arm	(1) 1 5/8" Coax	
432.5	1	Generic 11' Omni	Leg	(1) 1 5/8" Coax	SPOK HOLDINGS, INC.
430.0	1	Decibel DB408	Leg	(1) 3" Coax	JADE ALARM CO.
421.0	1	Panasonic VIC100 (3.9")	Stand-Off	(1) 0.19" (4.9mm) RG-58/U	PIXIUS COMMUNICATIONS
419.0	1	Andrew Microwaves VHLP6-6W		(2) 0.24" (6mm) Cat 5	
417.0	1	Generic 30" x 23" BOB	Stand-Off	(1) 0.24" (6mm) Fiber	
	1	Andrew VHLP4-11W		(1) 0.63" (15.9mm) Cable	
	4	Cambium Networks PMP 430 Access Point	Pole Mount	(1) 1" conduit	
	1	Generic 30" x 23" BOB		(4) 0.27" (6.7mm) Cat 5e	WISPER ISP, LLC
				(1) 3/8" (0.38"-9.5mm) RET Control Cable	
407.0	4	Motorola 5780AP	Leg	(2) 0.24" (6mm) Cat 5	PIXIUS COMMUNICATIONS
404.0	2	Generic 13' Omni	Side Arm	(3) 1 5/8" Coax	UNKNOWN
387.0	1	Generic 8' Omni	Side Arm	(1) 1 5/8" Coax	
365.0	1	Decibel DB224-A	Leg	(1) 1/2" Coax	MOBILEFONE
339.0	1	Andrew DB420D-B	Leg	(1) 7/8" Coax	
336.0	2	Generic 13' Omni	Side Arm	(2) 1 1/4" Coax	UNKNOWN
200.0	1	Decibel DB224-FAA	Side Arm	(1) 1/2" Coax	MOBILEFONE

Existing and Reserved Equipment (Cont.)

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
180.0	3	Ericsson RRUS-11 800 MHz	Sector Frame	(1) 0.24" (6mm) Cat 5 (3) 1 1/4" Hybriflex Cable	SPRINT NEXTEL
	3	Ericsson RRUS 31			
	1	Fastback Networks Intelligent Backhaul Radio 1300 Series			
	3	Ericsson RRUS82 w/ Solarshield			
	3	RFS APXVSP18-C-A20 (62 lbs)			
	3	Commscope TTTT90AP-1XR			
92.0	1	Generic 13' Omni	Side Arm	(1) 1/2" Coax	UNKNOWN
91.0	1	Andrew DB437	Leg	(1) 1/2" Coax	MOBILEFONE
81.0	1	Decibel DB230E	Leg	(1) 1/2" Coax	
66.0	1	PCTEL MYA4503	Leg	(1) 1/2" Coax	JADE ALARM CO.
4.0	1	Generic 4' Std. Dish	Leg	(1) 3/8" Coax	SPOK HOLDINGS, INC.

Equipment to be Removed

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
417.0	2	Cambium Networks PTP 820S	-	(4) 0.27" (6.7mm) Cat 5e	WISPER ISP, LLC
	1	Radio Waves SHPD6-6.4			
	1	Radio Waves SPD4-1011 w/ Radome			
	4	Cambium Networks PMP 430 AP			

Proposed Equipment

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
417.0	2	Aviat Networks WTM 4200 ANSI	Pole Mount	(2) 0.22" (5.7mm) Fiber (2) 0.32" (8.1mm) Cable	WISPER ISP, LLC
	2	RFS SC3-W100BGT1X			

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

Install proposed lines alongside existing WISPER ISP, LLC lines.