



Structural Evaluation	
ATC Site Number & Name	81552, Dublin Scioto Park, OH
Carrier Site Number & Name	SOH3164/FA#10011766, State Route 257
Site Location	4500 Tuller Road (Or 6924) Dublin, OH 43017-5033, Franklin County 40.108334 N / -83.110558 W
Tower Description	135 ft Monopole
Basic Wind Speed	90 mph (3-Second Gust)
Basic Wind Speed w/ Ice Code	40 mph (3-Second Gust) w/ 3/4" ice ANSI/TIA-222-G / 2009 IBC / 2011 Ohio Building Code

Existing and Reserved Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
135.0	137.0	3	Alcatel-Lucent RRH2X60-AWS	Low Profile Platform	(15) 7/8" Coax (2) 1 5/8" Hybriflex	Verizon
		3	Alcatel-Lucent RRH2X60-1900			
		3	Alcatel-Lucent RRH2x60 700			
		2	Raycap RRDC-3315-PF-48			
		12	Andrew SBNHH-1D65C			
120.0	120.0	1	Empty Mount	Low Profile Platform	-	Empty Mount
103.0	105.0	1	Raycap DC6-48-60-18-8F	Platform w/ Handrails	(12) 7/8" Coax (1) 0.78" 8 AWG 6 (1) 2" conduit	AT&T Mobility
		103.0	3	Andrew MTC3338		
	3		Alcatel-Lucent RRH2x40 (700)	Platform w/ Handrails		
	6		Kathrein 742 265			
	3		Powerwave P65-16-XLH-RR			
	100.0		6			
		6	Powerwave LGP17201			

Equipment to be Removed

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
103.0	103.0	1	Powerwave P65-16-XLH-RR	-	(1) 0.39" Cable	AT&T Mobility
		2	Powerwave P65-17-XLH-RR			
		3	Alcatel-Lucent RRH2x40 (700)			

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Proposed Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
103.0	103.0	3	Alcatel-Lucent RRH2X60-1900A-4R	Platform w/ Handrails	(1) 0.78" 8 AWG 6 (1) 0.39" Fiber Trunk	AT&T Mobility
		3	Commscope SBNHH-1D65C			

¹Mount elevation is defined as height above bottom of steel structure to bottom of mount, RAD elevation is defined as center of antenna above grade level (AGL).

Install proposed coax inside of the pole shaft.

The existing and proposed loads listed in the tables above are compared to the tower's current design capacity or previous structural analysis. The tower should be re-evaluated as future loads are added or if actual loads are found different from those listed in the tables. The subject tower and foundation **are adequate** to support the above stated loads in conformance with specified requirements.

Reviewed by:
Neil Kuplic, PE
Director of Structural Engineering



Nov 10 2015 6:01 PM

ADV/TCB