


Structural Evaluation

08/18/2021

ATC Site Number & Name	280207 HWY 40 & BRANDON CIR CO, CO	Reviewed By:
Carrier Site Number & Name	SV383-02 Steamboat springs- ATC 280207	
Site Location	39565 County Road 33 STEAMBOAT SPRINGS, CO 80487-9758, Routt County 40.4913 N / 106.9114 W	
Tower Description	100 ft Monopole	
Basic Wind Speed Applicable Code	90 mph (3-second gust, V _{ASD})/115 mph (3-second gust, V _{ULT}) ANSI/TIA-222-G / 2015 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.		
Created By: Cole Koffi		

Existing and Reserved Equipment

Elev. ¹ (ft)	Qty	Antenna	Mount Type	Lines	Carrier
96.0	6	Powerwave Allgon TT19-08BP111-001	T-Arms	(1) 0.39" Fiber Trunk (2) 0.76" 8 AWG 6 (2) 2" conduit (6) 7/8" Coax	AT&T MOBILITY
	1	Generic 10" x 10" x 6" Junction Box			
	1	Raycap DC6-48-60-18-8F			
	3	Alcatel-Lucent RRH2x40-07-L (20.5" Height)			
	3	Nokia AirScale Dual RRH 4T4R B25/66 320W AHFIB			
	3	CCI TPA65R-BU8D			
	3	KMW AM-X-CD-17-65-00T-RET (96" Height)			
56.0	1	Commscope MD-S6	Flush	(2) EWP63	
50.0	1	Andrew Microwaves UHX6-59-P3A/L (254 LB)	Flush		

Equipment to be Removed

Elev. ¹ (ft)	Qty	Antenna	Mount Type	Lines	Carrier
No loading was considered as removed as part of this analysis.					

Proposed Equipment

Elev. ¹ (ft)	Qty	Antenna	Mount Type	Lines	Carrier
80.0	2	dB Systems 5100A	Stand-Off	(2) 7/8" Coax	L3HARRIS TECHNOLOGIES, INC.

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

Install proposed lines inside the pole shaft.