



AMERICAN TOWER®
CORPORATION

| Structural Evaluation | |
|------------------------------|---|
| ATC Site Number & Name | 306035, Unity Village Mo 2, MO |
| Carrier Site Number & Name | Unity Village, KS4022 |
| Site Location | 2150 NW LOWENSTEIN Lees Summit, MO 64081-1905, Jackson County 38.93367222 N / 94.41720833 W |
| Tower Description | 190 ft Self Supported Tower |
| Basic Wind Speed | 90 mph (3-Second Gust, V_{asd}) / 115 mph (3-Second Gust, V_{ult}) |
| Basic Wind Speed w/ Ice Code | 40 mph (3-Second Gust) w/ 1" ice ANSI/TIA-222-G / 2012 IBC |

Existing and Reserved Equipment

| Elevation ¹ (ft) | | Qty | Antenna | Mount Type | Lines | Carrier |
|-----------------------------|-------|-----|-------------------------------------|-----------------------|--|---------------|
| Mount | RAD | | | | | |
| 172.0 | 172.0 | 1 | RFS DB-T1-6Z-12AB-0Z | Sector Frame | (2) 1.25" Hybrid | Verizon |
| | | 1 | RFS DB-B1-6C-12AB-0Z | | | |
| | | 3 | Ericsson RRUS B13 w/ RRUS A2 | | | |
| | | 3 | Ericsson AIR 32 B2A-B4P | | | |
| | | 3 | Ericsson AIR 32 B4A-B2P | | | |
| | | 6 | Andrew LNX-6515DS-A1M | | | |
| 162.0 | 162.0 | 1 | Andrew UHX6-105 | Leg | (1) EW37 | AT&T Mobility |
| 151.0 | 151.0 | 3 | Powerwave TT08-19DB111-001 | Platform w/ Handrails | (12) 1 5/8" Coax (6) 0.76" 8 AWG 6 (2) 0.39" Fiber Trunk (1) 3/8" RET Control Cable | |
| | | 1 | Raycap DC6-48-60-0-8F | | | |
| | | 1 | Raycap DC6-48-60-18-8F | | | |
| | | 3 | Alcatel-Lucent RRH2x60-850 | | | |
| | | 3 | Alcatel-Lucent RRH2x40-07-L | | | |
| | | 6 | Andrew ETD819G-12UB | | | |
| | | 3 | Alcatel-Lucent RRH4X25-WCS | | | |
| | | 3 | Andrew SBNH-1D6565C | | | |
| | | 3 | Commscope SBNHH-1D65C | | | |
| 143.0 | 148.0 | 1 | 8' Omni | Side Arm | - | |
| 120.0 | 120.0 | 6 | Andrew ETW190VS12UB | Sector Frame | (6) 1 5/8" Coax (6) 7/8" Coax (1) 1 1/4" Fiber | T-Mobile |
| | | 3 | Nokia FHFB | | | |
| | | 3 | Nokia FRIJ | | | |
| | | 1 | Andrew TMBX-6516-A1M with actuator | | | |
| | | 1 | Raycap ASU9338TYP01 | | | |
| | | 2 | Andrew TMBX-6517-A1M | | | |
| | | 2 | Andrew TMBXX-6516-A2M with actuator | | | |
| | | 1 | Andrew TMBXX-6517-A2M w/ Actuator | | | |
| | | 3 | Andrew SBNHH-1D65C | | | |

Equipment to be Removed

| Elevation ¹ (ft) | | Qty | Antenna | Mount Type | Lines | Carrier |
|-----------------------------|-------|-----|---------------------------------|------------|-------|---------------|
| Mount | RAD | | | | | |
| 151.0 | 151.0 | 6 | Commscope SBNHH-1D65C | - | - | AT&T Mobility |
| | | 3 | Alcatel-Lucent RRH2X40-AWS+RDEM | | | |
| | | 3 | Alcatel-Lucent RRH2X60-1900A-4R | | | |

Proposed Equipment

| Elevation ¹ (ft) | | Qty | Antenna | Mount Type | Lines | Carrier |
|-----------------------------|-------|-----|---|-----------------------|-------|---------------|
| Mount | RAD | | | | | |
| 151.0 | 151.0 | 1 | Raycap DC6-48-60-18-8C | Platform w/ Handrails | - | AT&T Mobility |
| | | 3 | Alcatel-Lucent B25 RRH4x30 | | | |
| | | 3 | Nokia Flexi RRH 4T4R B14 160W FRBI | | | |
| | | 3 | Alcatel-Lucent B66A RRH4x45-4R w/ Solar Shield | | | |
| | | 6 | Quintel QS86512-2 | | | |

¹ Mount 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).

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.

TK/ANG



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