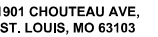


KEATON GREENFIELD - RADIO FREQUENCY DATA SHEET															
TOWER INFO															
PROJECT PHASE		LTE Coverage				DATE CREATED		10/16/2023		Created By		Ravi Sirka			
PROJECT TYPE		New Site Build				REVISION NUMBER		2.00							
SITE INFORMATION															
CELL SITE NAME		KEATON GREENFIELD		Switch Name		7705 SAR-A		eNodeB ID		195045					
STREET ADDRESS		3605 HWY K				DEG		MIN		SEC		Degrees			
CITY		O'FALLON	County	St. Charles		N 88		44		14.02		38.73723			
ZIP		63368		State		MO		W 90		41		41.92		-90.69498	
FAA Study				FCC ID				Tower Owner		Ameren					
SCOPE OF WORK															
LTE	New site build: Add (6) LTE antennas, (3) 900 MHz LTE RRH, (1) BBU														
Notes	This is an LTE Coverage Site. Only LTE will be launched and filed for regulatory. Cable lengths to be verified during the construction walk.														
PARTS REQUIRED															
ALL CABLE LENGTHS ARE ESTIMATES															
Site:	Part #	QTY	Alpha	Part #	QTY	Beta	Part #	QTY	Gamma	Part #	QTY	Delta	Part #	QTY	
Raycap-OVP	RCKDC-6140-PF-48	1	Antenna LTE	80010901	2	Antenna LTE	80010901	2	Antenna LTE	80010901	2	Antenna LTE			
Raycap-OVP	DC6-48-60-RM-OPT6	1	RRH LTE	2212 B8	1	RRH LTE	2212 B8	1	RRH LTE	2212 B8	1	RRH LTE			
BBU	BB6631	1	Jumper Cable	LDF4-50A @ 20 ft.	2	Jumper Cable	LDF4-50A @ 20 ft.	2	Jumper Cable	LDF4-50A @ 20 ft.	2	Jumper Cable			
Hybrid Cable	For less than 200 ft, use the below 6AWG Cable: 942-997516-F0[HEIGHT + 10% of HEIGHT] For greater than or equal to 200ft, use the below 4AWG Cables: 942-97XXX-F0[HEIGHT + 10% of HEIGHT]	1	Hybrid Tail	HFT412-2S29F-20	1	Hybrid Tail	HFT412-2S29F-20	1	Hybrid Tail	HFT412-2S29F-20	1	Hybrid Tail			
GPS Antenna	GPSSGLONASS-36-N-S	1													
Surge Arrestor	GPS+06NFM	1													
Ethernet to Coax Adapter	GRU-04-01	1													
PART TOTALS//LOCATION															
Type	Part #	Location	Quantity	Type	Part #	Location	Quantity	Type	Part #	Location	Quantity				
Raycap-OVP	RCKDC-6140-PF-48	Top	1	Antenna LTE	80010901	Top	6	GPS Antenna	GPSSGLONASS-36-N-S	Bottom	1				
Raycap-OVP	DC6-48-60-RM-OPT6	Bottom	1	RRH LTE	2212 B8	Top	3	Surge Arrestor	GPS+06NFM	Bottom	1				
BBU	BB6631	Bottom	1	Jumper Cable	LDF4-50A	Top	6	Ethernet to Coax Adapter	GRU-04-01	Bottom	1				
CSR	7705 SAR-A	Bottom	1												
ANTENNA CONFIGURATIONS															
LTE 900MHz CONFIGURATIONS	ALPHA		BETA		GAMMA		DELTA								
	Existing	Reserved	Existing	Reserved	Existing	Reserved	Existing	Reserved							
	Antenna Quantity		Antenna Quantity		Antenna Quantity		Antenna Quantity								
	Antenna Type		Antenna Type		Antenna Type		Antenna Type								
	Antenna 1 Connection Port		Antenna 1 Connection Port		Antenna 1 Connection Port		Antenna 1 Connection Port								
	Antenna 2 Connection Port		Antenna 2 Connection Port		Antenna 2 Connection Port		Antenna 2 Connection Port								
	Antenna Orientation		Antenna Orientation		Antenna Orientation		Antenna Orientation								
	Antenna Centerline (feet AGL)		Antenna Centerline (feet AGL)		Antenna Centerline (feet AGL)		Antenna Centerline (feet AGL)								
	Electrical Down-Tilt (Deg.)		Electrical Down-Tilt (Deg.)		Electrical Down-Tilt (Deg.)		Electrical Down-Tilt (Deg.)								
Mechanical Down-Tilt (Deg.)		Mechanical Down-Tilt (Deg.)		Mechanical Down-Tilt (Deg.)		Mechanical Down-Tilt (Deg.)									
Ravi Sirka10/16/2023RF EngineerDate Site Acquisition SpecialistDate Real Estate SpecialistDate															



16305 SWINGLEY RIDGE RD, SUITE 230
CHESTERFIELD, MO 63017
(636) 536-5800

PROJECT NO: 409336.0036.2030

DRAWN BY: VDF

CHECKED BY: AL

7	09/16/24	PER JURISDICTION COMMENTS
6	07/01/24	PER CONTRACTOR COMMENTS
5	04/22/24	PER JURISDICTION COMMENTS
4	02/15/24	PER CLIENT COMMENTS
3	01/09/24	PER JURISDICTION COMMENTS
2	10/16/23	PER JURISDICTION COMMENTS
1	06/15/23	PER JURISDICTION COMMENTS
0	05/19/23	ISSUED FOR 100% CDs
REV	DATE	DESCRIPTION



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS
THEY ARE ACTING UNDER THE DIRECTION OF A
LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS
DOCUMENT.

**AMEREN PLTE PROJECT
KEATON
3605 HWY K
O'FALLON, MO 63368
MONOPOLE**

SHEET TITLE

RF PLUMBING DIAGRAM

SHEET NUMBER

RF-2