

	Peoria (Washington)	Champaign TAC	St. Louis (Chouteau)
Location Address	Lat: 40.715836 Long: -89.464028	Lat: 40.089682 Long: -88.243984	Lat: 38.623258 Long: -90.210881
ERP into the antenna	32 dBm Max	32 dBm Max	32 dBm Max
Total ERP with antenna gain (mobile and base station)	Base Station: 50 dBm Max Mobile: 35.5 dBm Max	Base Station: 50 dBm Max Mobile: 35.5 dBm Max	Base Station: 50 dBm Max Mobile: 35.5 dBm Max
Number of BS's and mobiles and manufacturer, experimental yes or no	1, Nokia, yes	1, Nokia, yes	1, Nokia, yes
Antenna height if over 6m a drawing showing the antenna structure/mounting	253 ft	30 ft	260 ft
Antenna type (omni or directional);	Both	Both	Both
If direction, horizontal & vertical beam width	0/120/240 degrees (3 sectors) Horizontal beamwidth 65 degree (-3 dB) per sector Vertical beamwidth 7 degrees (-3 dB) per sector	0/120/240 degrees (3 sectors) Horizontal beamwidth 65 degree (-3 dB) per sector Vertical beamwidth 7 degrees (-3 dB) per sector	0/120/240 degrees (3 sectors) Horizontal beamwidth 65 degree (-3 dB) per sector Vertical beamwidth 7 degrees (-3 dB) per sector
Modulation Types	20M0W0W7D FW (LTE TDD)	20M0W0W7D FW (LTE TDD)	20M0W0W7D FW (LTE TDD)
Center Frequency	Band 48 Range is 3.5-3.7; Frequency: UL/DL 3550-3700 MHz	Band 48 Range is 3.5-3.7; Frequency: UL/DL 3550-3700 MHz	Band 48 Range is 3.5-3.7; Frequency: UL/DL 3550-3700 MHz
Bandwidth required	TDD 20MHz Band 48	TDD 20MHz Band 49	TDD 20MHz Band 50

SITE PHOTO



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