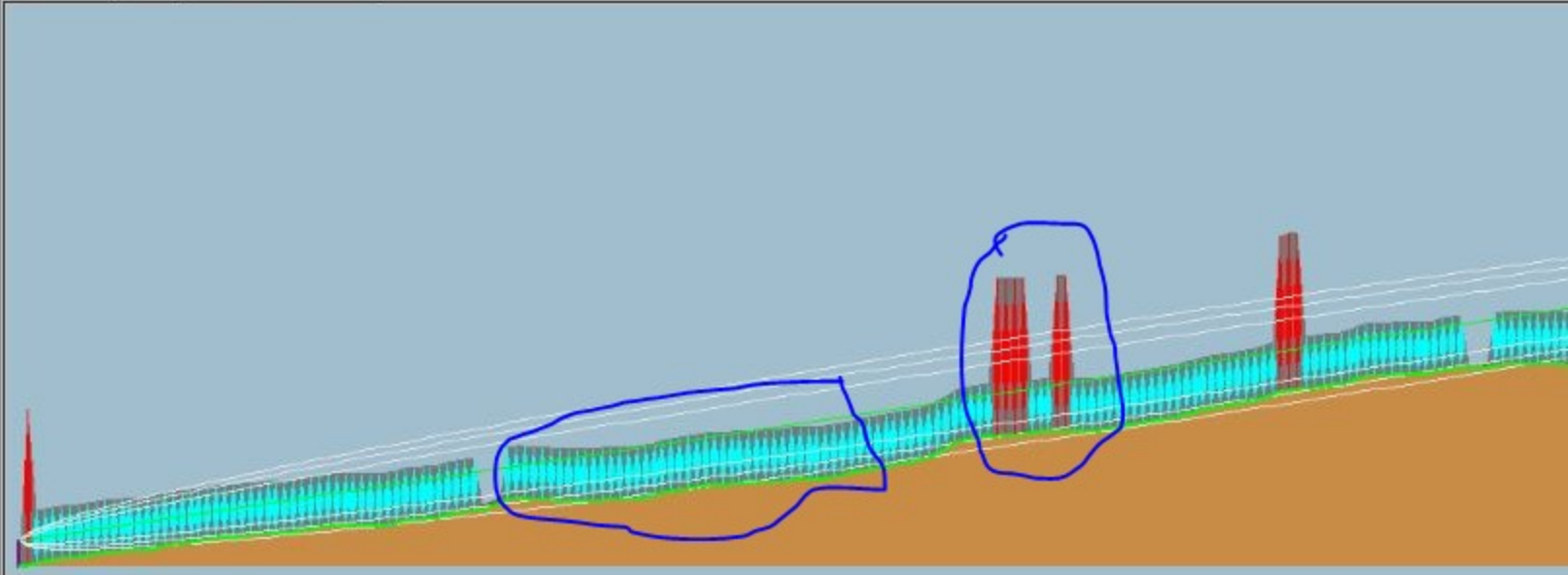




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**Red Cross to EOC 25 -16**

**Red Cross (1)**

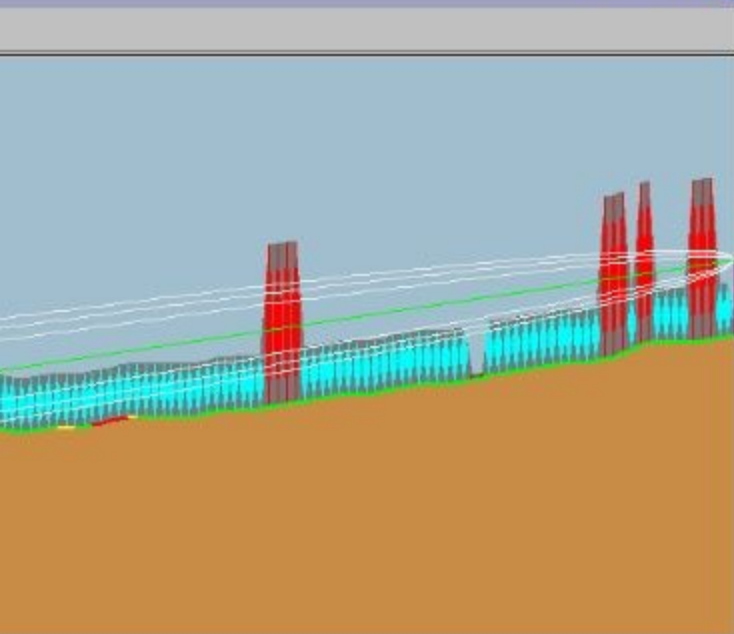
Latitude	37.085544 °	Latitude	
Longitude	-113.572862 °	Longitude	
Ground elevation	778.3 m	Ground elevation	
Antenna height	5.0 m	Antenna height	
Azimuth	344.58 TN   334.06 MG °	Azimuth	
Tilt	1.40 °	Tilt	

**Radio system**

TX power	24.77 dBm	Free space loss	
TX line loss	0.50 dB	Obstruction loss	
TX antenna gain	25.00 dBi	Forest loss	
RX antenna gain	16.00 dBi	Urban loss	
RX line loss	0.50 dB	Statistical loss	
RX sensitivity	-113.02 dBm	Total path loss	

**Performance**

Distance	
Precision	
Frequency	
Equivalent Isotropically Radiated Power	
System gain	
Required reliability	
Received Signal	
Received Signal	
<b>Fade Margin</b>	



(2) [EO](#)

	37.108421 °
	-113.580777 °
	834.3 m
	14.0 m
	164.57 TN   154.05 MG °
	-1.42 °

**Propagatio**

	115.87 dB
	-2.21 dB
	0.00 dB
	33.85 dB
	6.54 dB
	154.06 dB

	<b>2.639 km</b>
	10.0 m
	5650.000 MHz
	84.551 W
	177.79 dB
	70.000 %
	-89.29 dBm
	7.69 μV
	<b>23.73 dB</b>