



art to Dental

ART/CINDY (1)		(2) Dental Tower	
Latitude	29.685070 °	Latitude	29.639537 °
Longitude	-82.394028 °	Longitude	-82.345641 °
Ground elevation	49.0 m	Ground elevation	23.9 m
Antenna height	10.0 m	Antenna height	33.0 m
Azimuth	137.27 TN 142.97 MG °	Azimuth	317.29 TN 323.02 MG °
Tilt	-0.05 °	Tilt	-0.01 °
Radio system		Propagation	
TX power	26.99 dBm	Free space loss	116.44 dB
TX line loss	5.00 dB	Obstruction loss	-1.00 dB
TX antenna gain	15.00 dBi	Forest loss	2.29 dB
RX antenna gain	15.00 dBi	Urban loss	3.80 dB
RX line loss	0.50 dB	Statistical loss	16.22 dB
RX sensitivity	-94.96 dBm	Total path loss	137.75 dB

Performance

Distance	6.892 km
Precision	10.0 m
Frequency	2310.000 MHz
Equivalent Isotropically Radiated Power	5.000 W
System gain	146.45 dB
Required reliability	90.000 %
Received Signal	-86.26 dBm
Received Signal	10.88 µV
Fade Margin	8.69 dB

