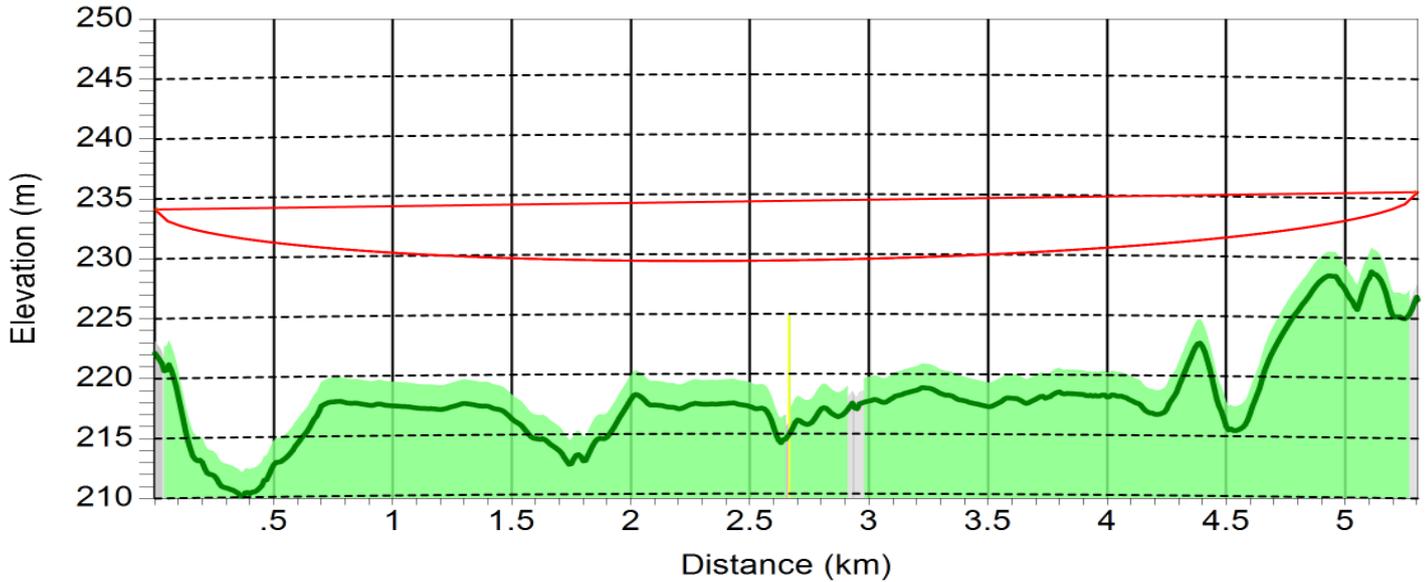


## our path profile Link: xx3071 -> 00000231



Transmitter	
Description	Data
Link end 1 ID	xx3071
Site name	xx3071
Latitude	41.577047
Longitude	-91.164186
Transmitter Frequency	5800 MHz
Polarization	horizontal
Antenna Height (AGL)	12.00 m
Antenna elevation (AMSL)	234.13 m
Point az. to link end 2	330.43°
Pointing elev. to link end 2	0.00°
Antenna gain to link end 2	14.74 dBi
ERP <sub>i</sub> toward link end 2	33.74 dBmW

Receiver	
Description	Data
Link end 2 ID	00000231
Site name	0000000000000231
Latitude	41.618540
Longitude	-91.195680
Received signal level	-71.47 dBmW
Receiver noise level	-94.96 dBmW
Antenna Height (AGL)	9.00 m
Antenna elevation (AMSL)	235.57 m
Point az. to link end 1	150.41°
Pointing elev. to link end 1	-0.03°
Antenna gain to link end 1	17.00 dBi
Net diversity gain	0.00 dB

Link Statistics	
Description	Data
Path	xx3071 -> 00000231
Length	5.3040 km
Number of obstacles	0
Excess pathloss	-0.01 dB
Atm. Absorption loss	0.00 dB
Path loss for Stats	122.20 dB
Path Fresnel zone clearance	1.15
K factor	1.333

Link Performance	
Description	Data
Flat fade margin	11.50 dB
Net fade margin	11.50 dB
Annual fade outage	5643.11 sec
Annual rain outage	0.00 sec
Percent availability	99.9821
Required C/(I+N) Ratio	20.00 dB
Link throughput	52.100 Mbps
Adaptive modulation table	WiMax 20MHz chan
Adaptive modulation label	QAM16
Fade outage method	Vigants-Barnett
Rain outage method	Crane