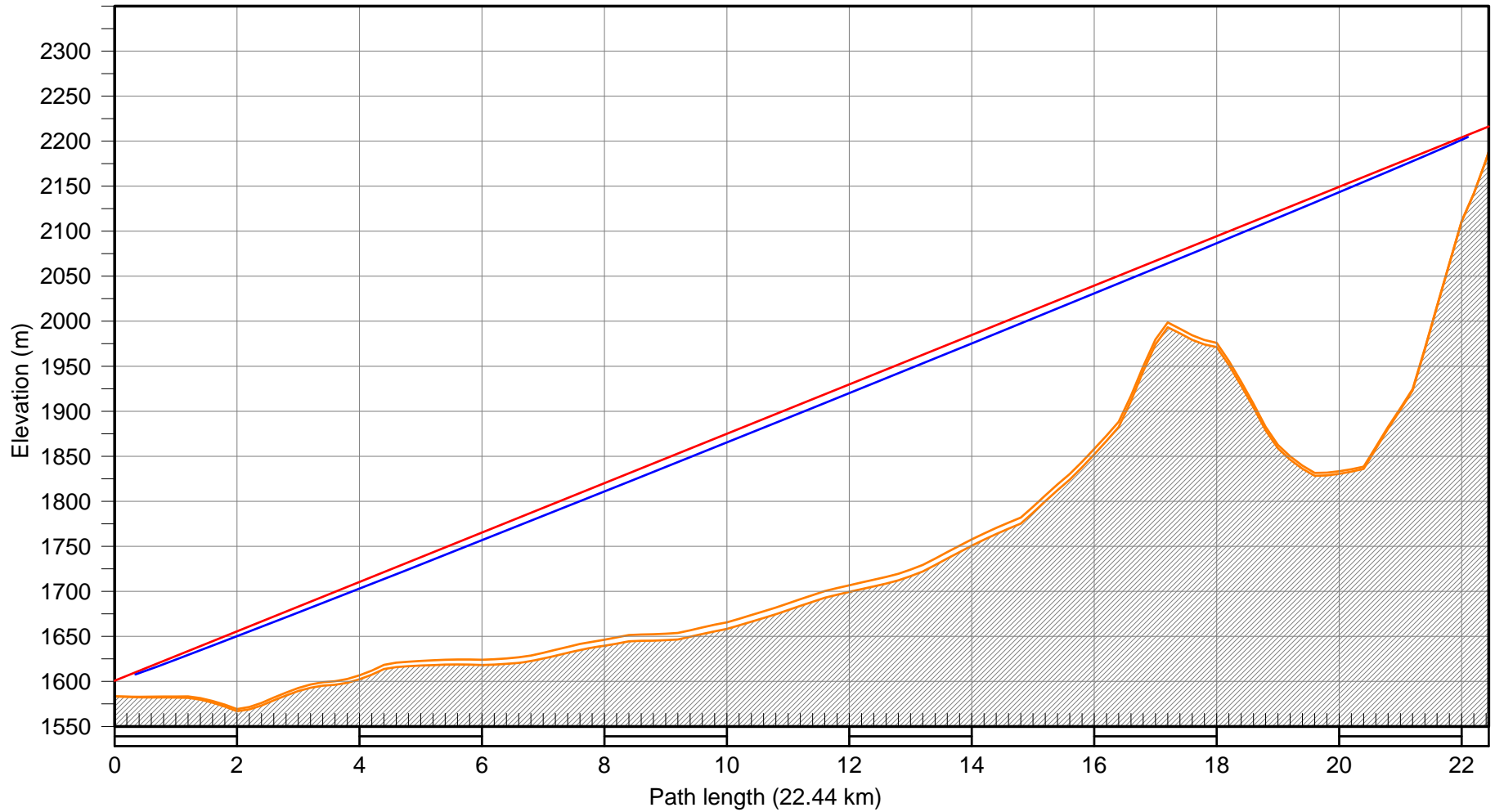


	KUVO Studio	KUVO Transmitter
Elevation (m)	1583.36	2188.20
Latitude	39 45 49.90 N	39 40 25.00 N
Longitude	104 58 57.90 W	105 13 01.00 W
True azimuth (°)	243.56	63.41
Vertical angle (°)	1.50	-1.65
Antenna model	HP6-18	HP6-18
Antenna height (m)	17.40	28.00
Antenna gain (dBi)	48.00	48.00
Radome loss (dB)	0.01	0.01
Frequency (MHz)	18000.00	
Polarization	Vertical	
Path length (km)	22.44	
Free space loss (dB)	144.59	
Atmospheric absorption loss (dB)	1.21	
Net path loss (dB)	49.83	49.83
Radio model	IP-100c FCC	IP-100c FCC
TX power (watts)	0.14	0.14
TX power (dBm)	21.50	21.50
EIRP (dBm)	69.49	69.49
Emission designator	40M0D7W	40M0D7W
RX threshold level (dBm)	-75.00	-75.00
Maximum receive signal (dBm)	20.00	20.00
RX signal (dBm)	-28.33	-28.33
Thermal fade margin (dB)	46.67	46.67
Dispersive fade margin (dB)	45.00	45.00
Dispersive fade occurrence factor	1.00	
Effective fade margin (dB)	42.75	42.75
Climatic factor	2.00	
Terrain roughness (m)	42.67	
C factor	0.52	
Fade occurrence factor (Po)	6.40E-02	
Average annual temperature (°C)	10.00	
Worst month - multipath (%)	99.99966	99.99966
(sec)	8.94	8.94
Annual - multipath (%)	99.99991	99.99991
(sec)	26.82	26.82
(% - sec)	99.99983 - 53.63	
Rain region	B-96 Polar Taiga	
Flat fade margin - rain (dB)	46.67	
Rain rate (mm/hr)	63.15	
Rain attenuation (dB)	46.65	
Annual rain (%-sec)	99.99952 - 151.01	
Annual multipath + rain (%-sec)	99.99935 - 204.64	

Thu, Apr 24 2008

Reliability Method - Vigants - Barnett
Rain - Crane



Latitude 39 45 49.90 N
 Longitude 104 58 57.90 W
 Azimuth 243.56°
 Elevation 1583 m ASL
 Antenna CL 17.4 m AGL

Frequency (MHz) = 18000.0
 K = 1.33
 %F1 = 100.00

Latitude 39 40 25.00 N
 Longitude 105 13 01.00 W
 Azimuth 63.41°
 Elevation 2188 m ASL
 Antenna CL 28.0 m AGL

		Apr 24 08	