

	Autoroute Mornag	Madina Jadida
Elevation (m)	11.93	8.81
Latitude	36 43 08.69 N	36 44 51.04 N
Longitude	010 15 58.03 E	010 15 09.58 E
True azimuth (°)	339.15	159.14
Vertical angle (°)	-0.06	0.04
Antenna model	VHLP1-18	VHLP1-18
Antenna height (m)	25.00	25.00
Antenna gain (dBi)	34.20	34.20
Frequency (MHz)	18000.00	
Polarization	Vertical	
Path length (km)	3.38	
Free space loss (dB)	128.14	
Atmospheric absorption loss (dB)	0.18	
Net path loss (dB)	59.92	59.92
Radio model	iPASO IHG 18G 94MB	iPASO IHG 18G 94MB
TX power (watts)	0.13	0.13
TX power (dBm)	21.00	21.00
EIRP (dBm)	55.20	55.20
Emission designator	14M00D7W	14M00D7W
TX Channels	1L 18574.2500V	1H 19584.2500V
RX threshold criteria	BER 10-6	BER 10-6
RX threshold level (dBm)	-73.50	-73.50
RX signal (dBm)	-38.92	-38.92
Thermal fade margin (dB)	34.58	34.58
Dispersive fade margin (dB)	75.00	75.00
Dispersive fade occurrence factor	1.00	
Effective fade margin (dB)	34.58	34.58
Geoclimatic factor	3.15E-05	
Path inclination (mr)	0.92	
Fade occurrence factor (Po)	1.32E-04	
Average annual temperature (°C)	10.00	
Worst month - multipath (%)	100.00000	100.00000
(sec)	0.12	0.12
Annual - multipath (%)	100.00000	100.00000
(sec)	0.36	0.36
(% - sec)	100.00000 - 0.73	
Rain region	ITU Region K	
0.01% rain rate (mm/hr)	42.00	
Flat fade margin - rain (dB)	34.58	
Rain rate (mm/hr)	168.23	
Rain attenuation (dB)	34.58	
Annual rain (%-sec)	99.99992 - 25.92	
Annual multipath + rain (%-sec)	99.99992 - 26.64	

sam., sept. 10 2011

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Reliability Method - ITU-R P.530-7/8

Rain - ITU-R P.530-8