

Radio Mobile Online Coverage report

Description	K3IR VHF Repeater 104' 8.5 dB 99%
Frequency	145.23 MHz
Base Name	SPARC K3IR
Latitude	40.16709271 °
Longitude	-76.45472083 °
Latitude	40° 10' 01.53"N
Longitude	076° 27' 16.99"W
QRA	FN10SE
UTM (WGS84)	18T E376126 N4447318
Canada Map Index	30C1
Elevation	189 m
Base Antenna Height	31.7 m
Base Antenna Gain	8.5 dBi
Base Antenna Type	omni
Base Antenna Azimuth	0 °
Base Antenna Tilt	0 °
Mobile Antenna Height	1.5 m
Mobile Antenna Gain	0.0 dBi
Tx Power	50.00000 W
Tx Line Loss	0.8 dB
Rx Line Loss	0.5 dB
Rx Threshold	0.500 µV (-113.0 dBm)
Required Reliability	99%
Strong signal margin	10.0 dB
Weak signal field	7.4 dBµV/m
Strong signal field	17.4 dBµV/m
Weak signal covered area	4395 km ²
Strong signal covered area	2166 km ²
Weak signal population reached	857143 pop
Strong signal population reached	450804 pop
Landcover used	Yes
Two rays method used	Yes
User ID	k3mjn
Radio coverage ID	RMC25EB4E4E560_2
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