

## Radio Mobile Online Coverage report

Description	Millcreek Repeater
Frequency	449.225 MHz
Base Name	Millcreek Repeater
Latitude	40.68111806 °
Longitude	-111.79663897 °
Latitude	40° 40' 52.03"N
Longitude	111° 47' 47.90"W
QRA	DN40CQ
UTM (WGS84)	12T E432679 N4503664
Canada Map Index	70D12
Elevation	1519.2 m
Base Antenna Height	10 m
Base Antenna Gain	8.3 dBi
Base Antenna Type	omni
Base Antenna Azimuth	0 °
Base Antenna Tilt	0 °
Mobile Antenna Height	2.0 m
Mobile Antenna Gain	2.0 dBi
Tx Power	50.00000 W
Tx Line Loss	3.0 dB
Rx Line Loss	0.5 dB
Rx Threshold	0.500 µV (-113.0 dBm)
Required Reliability	90%
Strong signal margin	10.0 dB
Weak signal field	15.2 dBµV/m
Strong signal field	25.2 dBµV/m
Weak signal covered area	2632 km <sup>2</sup>
Strong signal covered area	2247 km <sup>2</sup>
Weak signal population reached	837596 pop
Strong signal population reached	788147 pop
Landcover used	Yes
Two rays method used	Yes
User ID	sdwhittaker
Radio coverage ID	RM106C833DFA74_0
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