

**Radio Mobile Online Coverage report**

Description	New Site 7 147.030 MHz
Frequency	147.03 MHz
Base Name	New Site 7
Latitude	39.73089664 °
Longitude	-82.59423348 °
Latitude	39° 43' 51.23"N
Longitude	082° 35' 39.24"W
QRA	EM89QR
UTM (WGS84)	17S E363381 N4399105
Elevation	331.2 m
Base Antenna Height	51.82 m
Base Antenna Gain	12.0 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	80%
Strong signal margin	10.0 dB
Weak signal field	5.5 dBµV/m
Strong signal field	15.5 dBµV/m
Weak signal covered area	33520 km <sup>2</sup>
Strong signal covered area	21272 km <sup>2</sup>
Weak signal population reached	2678853 pop
Strong signal population reached	1946020 pop
Landcover used	Yes
Two rays method used	Yes
User ID	w8of
Radio coverage ID	RMACA11350958C_1
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