

**Radio Mobile Online Coverage report**

Description	FMC Tower 146.70 MHz
Frequency	146.7 MHz
Base Name	FMC Tower
Latitude	39.71741308 °
Longitude	-82.57708880 °
Latitude	39° 43' 02.69"N
Longitude	082° 34' 37.52"W
QRA	EM89RR
UTM (WGS84)	17S E364824 N4397583
Elevation	256 m
Base Antenna Height	60 m
Base Antenna Gain	7.5 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	125.00000 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	17724 km <sup>2</sup>
Strong signal covered area	11460 km <sup>2</sup>
Weak signal population reached	1706888 pop
Strong signal population reached	1271446 pop
Landcover used	Yes
Two rays method used	Yes
User ID	w8of
Radio coverage ID	RM65CFB30F1038_2
Generated on	4/10/2016 2:32:30 PM



