

Radio Mobile Online Coverage report

Description	Iowa Hill Analog Coverage
Frequency	147.21 MHz
Base Name	Iowa Hill
Latitude	35.92358240 °
Longitude	-82.06497833 °
Latitude	35° 55' 24.90"N
Longitude	082° 03' 53.92"W
QRA	EM85XW
UTM (WGS84)	17S E403922 N3975997
Elevation	990 m
Base Antenna Height	25 m
Base Antenna Gain	6.0 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	35.00000 W
Tx Line Loss	2.0 dB
Rx Line Loss	0.5 dB
Rx Threshold	0.500 μ V (-113.0 dBm)
Required Reliability	70%
Strong signal margin	10.0 dB
Weak signal field	5.5 dB μ V/m
Strong signal field	15.5 dB μ V/m
Weak signal covered area	12950 km ²
Strong signal covered area	7098 km ²
Weak signal population reached	781538 pop
Strong signal population reached	390505 pop
Landcover used	Yes
Two rays method used	Yes
User ID	kc4tvo
Radio coverage ID	RM2926123FF458_1
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