

Radio Mobile Online Coverage report

Description	Locust Knob VHF Coverage
Frequency	145.31 MHz
Base Name	Locust Knob
Latitude	36.03344400 °
Longitude	-82.20227700 °
Latitude	36° 02' 00.40"N
Longitude	082° 12' 08.20"W
QRA	EM86VA
UTM (WGS84)	17S E391685 N3988326
Elevation	1252 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	2.0 dB
Rx Threshold	0.500 μ V (-113.0 dBm)
Required Reliability	70%
Strong signal margin	10.0 dB
Weak signal field	5.4 dB μ V/m
Strong signal field	15.4 dB μ V/m
Weak signal covered area	18049 km ²
Strong signal covered area	10695 km ²
Weak signal population reached	1130600 pop
Strong signal population reached	669120 pop
Landcover used	Yes
Two rays method used	Yes
User ID	kc4tvo
Radio coverage ID	RM2926123FF458_3
Generated on	7/12/2015 11:02:46 AM



