

**Radio Mobile Online Coverage report**

Description	2M DSTAR*
Frequency	145.32 MHz
Base Name	Upper Shack
Latitude	38.46734599 °
Longitude	-77.46014093 °
Latitude	38° 28' 02.45"N
Longitude	077° 27' 36.51"W
QRA	FM18GL
UTM (WGS84)	18S E285369 N4260537
Elevation	110 m
Base Antenna Height	85 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	30.00000 W
Tx Line Loss	3.0 dB
Rx Line Loss	0.5 dB
Rx Threshold	0.500 µV (-113.0 dBm)
Required Reliability	99%
Strong signal margin	10.0 dB
Weak signal field	5.4 dBµV/m
Strong signal field	15.4 dBµV/m
Weak signal covered area	8787 km <sup>2</sup>
Strong signal covered area	3889 km <sup>2</sup>
Weak signal population reached	1403365 pop
Strong signal population reached	442019 pop
Landcover used	Yes
Two rays method used	Yes
User ID	kh7rc
Radio coverage ID	RM83C243770104_1
Generated on	1/15/2018 4:48:33 PM





