

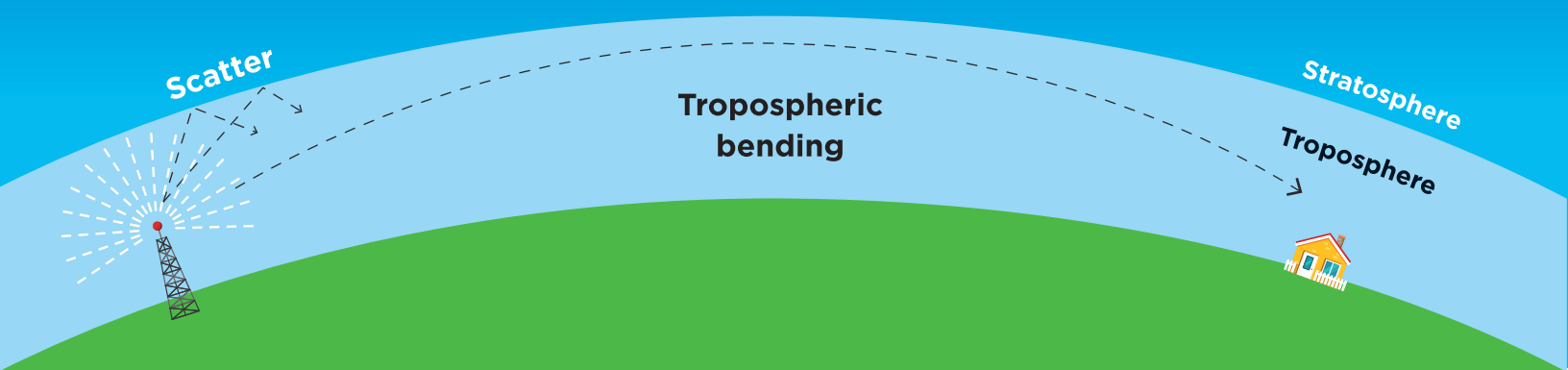
# Major Antenna Performance Factors

All three of these major factors need to be optimal for your home to receive free OTA (Over The Airwaves) broadcast signals in crystal clear HD. Luckily science helps mitigate the effects of some obstacles.



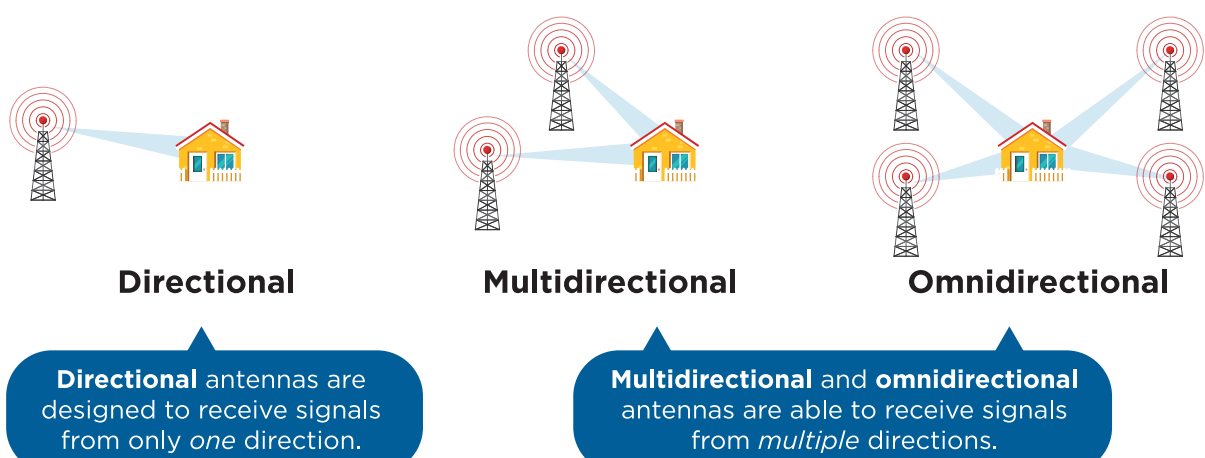
## Tropospheric Bending

TV broadcasts propagate over the horizon when the lower atmosphere of the earth bends, scatters, and/or reflects the signals.



## Directional vs. Multidirectional vs. Omnidirectional

Each antenna type has its own distinct benefits and pitfalls.

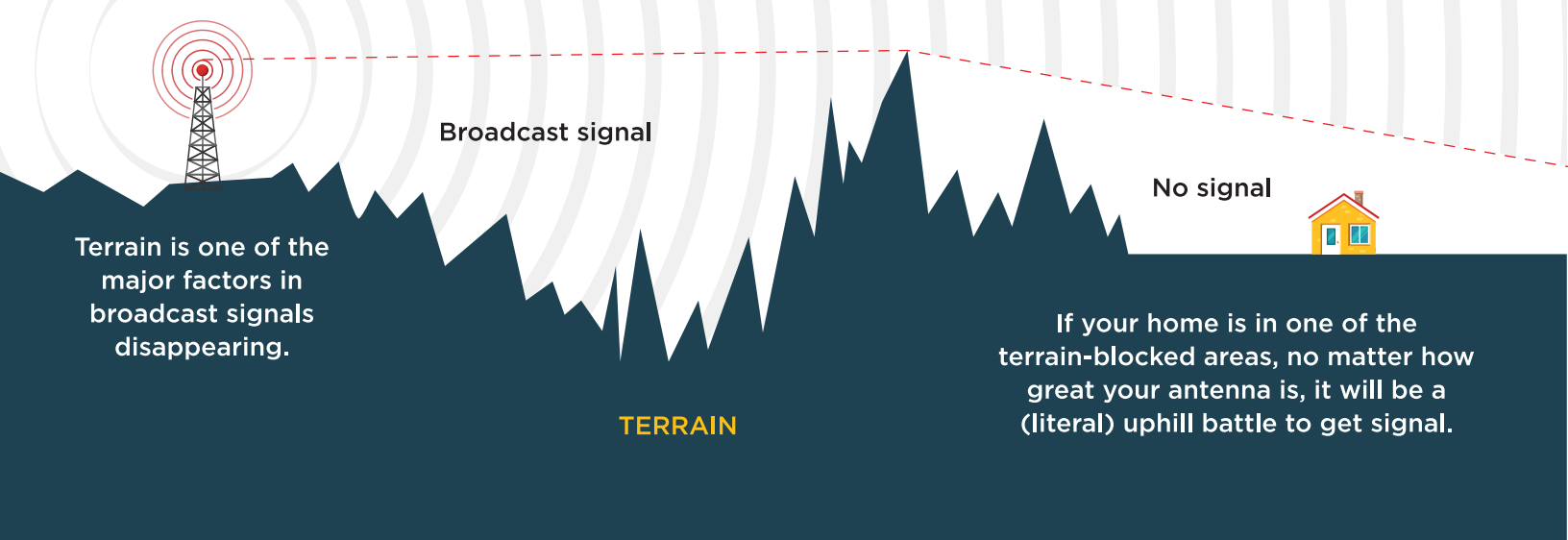


## Multipath Distortion



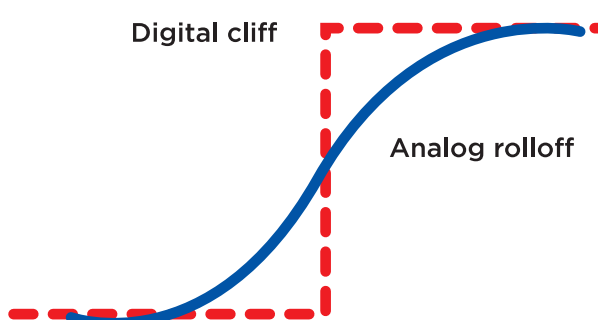
Distortion (or “noise”) happens when signals bounce around and reflect off objects towards the same antenna.

## Terrain Interference



## The Digital Cliff

Unlike the old analog signals that gradually faded over long distances, the new digital signals are usually perfect HD quality until they are instantly non-existent.



**It's time to cut the cable. Learn how OTA can bring you high definition.**

Go to [nocable.org](http://nocable.org) to learn more.

