The Propagation Channel

The propagation channel - The space between the antennas!



- * Ideally, the channel is free-space (i.e., nothing).
- * In reality, the channel is full of stuff!

 E.G., buildings, trees, rain, plasma, gasses, and the earth.

Problem: This "stuff" modifies the **propagating** wave. Therefore, we must consider the e.m. phenomena of:

- * scattering
- * refraction
- * reflection
- * diffraction
- * extinction





