

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**

