



what is the di...



- **2500/2600 MHz (2.5 GHz):**
Wavelength is approximately **11 to 12 cm** (0.36 feet) 

Key Takeaway

Rather than a generational divide, the difference is that **4G uses a wider span of the electromagnetic spectrum.**  [National Institutes ...](#)

- **Longer wavelengths (lower frequencies):** 4G utilizes lower bands (like 600 MHz and 700 MHz) than 3G to travel longer distances and penetrate buildings more effectively in rural areas.



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