

# Table Showing Huge Range of Frequencies Used By 5G

Adapted from: 2021-025G-No-Hiding-Place-Barrie-Trower.pdf

| GHz  | [ MHz ]        | Wavelength | Some Transmitters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------|----------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 300  |                | 1.0mm      | <b>5G</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 180  |                | 1.7mm      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 160  |                | 1.9mm      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 130  |                | 2.3mm      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 100  |                | 3.0mm      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 72   |                | 4.2mm      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 60   |                | 5.0mm      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 38   |                | 7.9mm      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 28   |                | 10.7mm     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 27.5 |                | 10.9mm     | <b>5G</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 26.5 |                | 11.3mm     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 24   |                | 12.5mm     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 5.8  |                | 5.2cm      | <div>5G</div> <div> <b>Wi-Fi</b><br/>                     Baby Monitor / Microwave Oven<br/>                     Bluetooth, Brit Gas,<br/>                     Zig Bee SMART Meter<br/> <b>Wi-Fi</b> Some DECT cordless phones.<br/>                     Baby Monitor Mobile Phones<br/>                     GSM. Mobile Phones<br/>                     RFID Monitors, Remote control<br/>                     SMART Meter<br/>                     Street Light Controls<br/>                     BT/Ardiva nPower Southern<br/>                     Electric SMART Meter                 </div> |
| 5.0  |                | 6.0cm      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 3.0  | 4G             | 10.0cm     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2.45 | Microwave Oven | 12.2cm     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2.1  | 3G             | 14.3cm     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.8  | 2G, 3G, 4G     | 16.7cm     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.0  |                | 30.0cm     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 0.92 | ( 920 MHz )    | 32.6cm     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 0.90 | 2G, 4G         | 33.3cm     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 0.86 | ( 860 MHz )    | 34.9cm     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 0.80 | 4G             | 37.5cm     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 0.70 | ( 700 MHz )    | 42.9cm     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 0.60 | ( 600 MHz )    | 50.0cm     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 0.43 | ( 430 MHz )    | 69.7cm     | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 0.41 | ( 410 MHz )    | 73.7cm     | ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |