

# Gainesville - 5G Cell Towers

The City of Gainesville is responding to new State law effective July 1, 2017 (HB 687) that allows corporations to override local authority on the installation of "small-cell" microwave systems on poles and sites inside the City rights-of-way, including near homes on certain neighborhood streets.

**Florida, HB 687** - Advanced Wireless Infrastructure Deployment Act (small cells) was approved into law on Friday, June 23, by Gov. Scott, it is effective 7/1/17. The bill (HB 687) can be found at this link: <http://www.flsenate.gov/Session/Bill/2017/00687>

The federal government, FCC and now the State of Florida has determined that the future of smart phones, the internet and the "Internet of Things" (IoT) will require national deployment of millions of small-cell sites that are 5G compatible with frequencies expected to initially include **28GHz, 37GHz, 39GHz** for deployment as early as next year (2018, Verizon). Compare these frequencies to a shielded microwave oven which is typically **2.45 GHz**.

**5G Small Cell Microwave Cell Towers/Poles in Gainesville**  
**Gainesville Small Cell Tower Ordinance 170179A - Draft**  
<http://goo.gl/QcQRtg>

**Excerpt:** "WHEREAS, in 2017, Florida passed HB 687 which inter alia, amends Section 337.401, 18 Florida Statutes, to create the new Subsection known as the **Advanced Wireless Infrastructure Deployment Act** ("Wireless Deployment Act"), effective July 1, 2017, to address 20 municipalities' regulation of access to the public rights-of-way for wireless communications 21 facilities and wireless support structures;" <http://goo.gl/QcQRtg>

**City of Gainesville has retained attorney Gary Resnick as legal advisor.**

**Gainesville Leg. 160905** - <https://goo.gl/zD1MrK>

**(Gary Resnick)** Mayor: Small Cell 'Pizza Boxes' Are More Like Fridges

"...**Gary Resnick**, mayor of Wilton Manors, Fla., and the former chair of the FCC's Intergovernmental Advisory Committee under Democratic Chair Tom Wheeler, took issue with that as he **argued against allowing the FCC to preempt local and state regs in the interest of more rapidly deploying that and other broadband infrastructure.**

<http://www.broadcastingcable.com/news/washington/mayor-small-cell-pizza-boxes-are-more-fridges/165534>

**Gary Resnick** explains Rights of Way (ROW) and small-cell deployment.

<http://faca.fl-counties.com/sites/default/files/2017-07/Small%20Cell%20Tower%20ROW%20June%202017.pdf>

## Proposed 5G Microwave Radiation Spectrum

**Introduction to 5G and the "Internet of Things" (IoT).**

<http://spectrum.ieee.org/video/telecom/wireless/everything-you-need-to-know-about-5g>

7/14/2016: **FCC Unanimously Opens Nearly 11 GHz of Spectrum for 5G**

The newly freed spectrum includes 3.85 GHz of licensed spectrum from **27.5-28.35 GHz** and **37-40 GHz** as well as 7 GHz of unlicensed spectrum from **64-71 GHz**.

**Verizon**, which was among the major carriers advocating for open spectrum in the **28 GHz, 37 GHz** and **39 GHz** bands ahead of its planned commercial 5G launch next year (2018), praised the decision as one that will "help ensure that the U.S. maintains its leadership position in wireless communications."

<https://www.wirelessweek.com/news/2016/07/fcc-unanimously-opens-nearly-11-ghz-spectrum-5g>

## Growing Awareness of Smart Phone and Microwave Health Issues

**GLIOMA TUMORS: A glioma is a type of tumor that starts in the brain or spine. Gliomas make up about 30% of all brain and central nervous system tumors and 80% of all malignant brain tumors.**

<https://en.wikipedia.org/wiki/Glioma>

In 2012, a Florida attorney - **Jimmy Gonzalez** - who later died in 2014 following two surgeries and 3 years

of chemotherapy for **Glioma brain cancer** - delivered compelling testimony at **Pembroke Pines** commission meeting confirming cell phone radiation caused his brain cancer.

<https://vimeo.com/226997169>

**The Pembroke Pines City Commission responded to Jimmy Gonzalez's testimony with a resolution to promote cell phone safety.**

<https://archive.org/details/PembrokePinesCellPhoneSafetyResolution3362>

**The Truth about Cell Phones and Wireless Radiation** - Dr. Devra Davis

<https://youtu.be/fDR8civkbiY>

**FCC Tom Wheeler Censors Press at 5G Microwave Press Conference** (June, 2016)

<https://youtu.be/YK1dZCfGMRk>

**Wireless devices-potential cancer risk says World Health Organization (2011)**

<http://emfsafetynetwork.org/wireless-devices-potential-cancer-risk-says-world-health-organization/>

**John Knox Reports Intrusive Deployment of 4G/5G Microwave Transmitters Outside Bedroom Windows of Residential Homes in California Has Begun.**

<https://youtu.be/j94T5CcbHAY>

A **FACEBOOK** site is active for community discussion and updates. "**Gainesville Smart Phone and Microwave Safety Group**"

<https://www.facebook.com/groups/1561603627217676/>