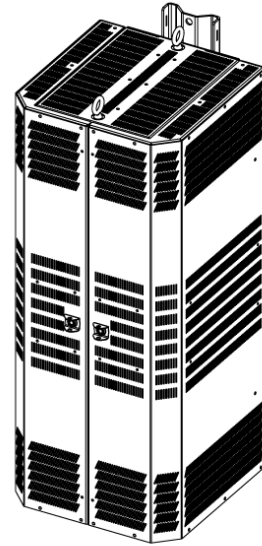
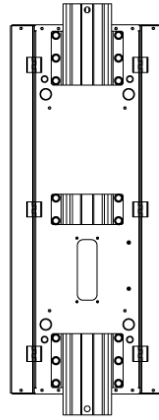
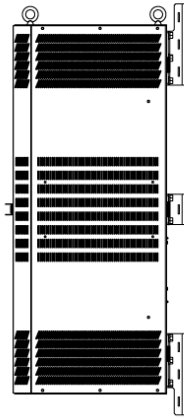
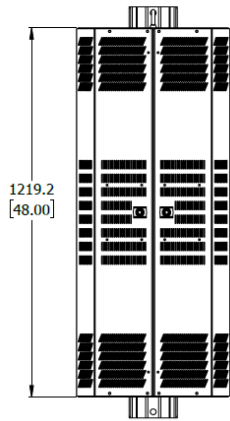


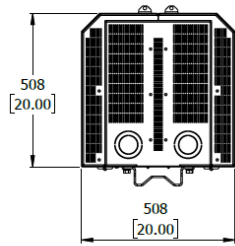
Q&A	Question/Answer	Links provided by questioners
Question 1	<p>hope to view the coming webinar on T-Mobiles plan to install, I assume, 5G Transceiver/Antenna modules throughout town. As I understand 5G, because of the Cor X band microwave frequencies required to achieve increased data bandwidth, much higher rf transmit power levels are required to cover a given area. The downside of increasing rf frequencies is that the higher the frequency the more power is required to propagate the signal through the atmosphere. This is because the atmosphere and foliage attenuates the signal as frequencies increase. As someone who has worked around on or radars, I am sort of familiar with the issues of microwave radiation. I would be nervous to see a 5G transmitter going up near me. So if there is someone on your webinar who will ask questions on behalf of the town residents, would you please forward the articles below. Thank you. (see attached 3 links to articles)</p>	<p>1. https://www.npr.org/2020/12/09/943531538/microwave-radiation-most-plausible-cause-of-diplomats-illnesses-report-says-2 https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.nap.edu%2Fcatalog%2F25889%2Ffan-assessment-of-illness-in-us-government-employees-and-their-families-at-overseas-embassies%23overview&data=04%7C01%7CRichard.Bancroft%40T-Mobile.com%7C489c732f153426ce64508d9e4e5557%7Cbe0980bd994b19bd7bb71a09b026c%7C09%7C09%7C637798445342395212%7Cunknown%7CWFpbGZsb3d8eYVWoiMC4wLWwMDA1CjQ1oV2luMjllLjB1TlI6lk1haWwllCjVXVC6Mn0%3D%7C3000&sd=FCdq4vAuqEYpAivOtkMkXKE71rmsurA0kid5h%3D&reserved=0_3_ https://www.who.int/teams/environment-climate-change-and-health/radiation-and-health/protection/policies/</p>
Answer 1	<p>While T-Mobile will be deploying equipment to utilize several different spectrum bands, neither C-Band nor mmWave are currently being deployed on the small cell nodes in Wellesley. We also note that the concern being raised is not related to 5G technology itself, but to operations in C-band spectrum regardless of which generation of technology (3G, 4G, 5G) is deployed in that spectrum band. T-Mobile's 5G service is currently provided in mid and low-band spectrum that has been used for many years, by both television broadcasters and other wireless providers.</p>	
Question 2	<p>I am a resident in Wellesley and own multiple residential properties here. I just wanted to say, that we really ought to be careful with adding so many new cell sites for AT&T and I am assuming Verizon either already has many cell sites, or they will also be asking the Town to add many more. Not sure if there are even more carriers that will do so. My main concern, is the dramatic increase in cellular radio frequency at higher gigahertz electromagnetic signals. I am also assuming the new sites will be using the new 5G technology, which does pass through and can interfere with all sorts of other electronics, as you probably have heard the concerns from the airlines industry. And, of course, there's the human biological impact of this high frequency transmission. I feel these technical concerns ought to be considered, before we allow this technology to be proliferated throughout our fine town, by multiple carriers.</p>	
Answer 2	<p>The question mentions "higher gigahertz electromagnetic signals" and potential interference, primarily with airlines. With respect to those issues, T-Mobile would reiterate that the small cells currently being deployed in Wellesley will not utilize mmWave technology (the higher gigahertz signals) nor C-Band, which is the frequency band at issue with the FAA. Additionally, T-Mobile complies at all times with current FCC regulations concerning interference with reception of licensed television and radio broadcasts or any public safety frequencies servicing the city and its residents. With regard to the question of "human biological impact," it's important to recognize that we as a society have been using electromagnetic wave transmission extensively for over a century, yet life expectancy and general health status have improved markedly since the early 1900's. Public health agencies have studied, researched, and reviewed the potential biological impacts of human exposure to radiofrequency (RF) waves and have ascertained that RF exposures can be limited to levels without deleterious effects.</p> <p>Several multidisciplinary scientific groups have developed guidelines for health-protective levels of exposure to RF waves at different frequencies, ranging from AM radio broadcast antennas up through UHF television transmissions, and including the frequencies used by 5G cell phones and cell-phone base stations.</p> <p>Notably, we all have modern technologies that produce RF in our home environment (e.g., cell phones, wireless phones, baby monitors, microwave ovens, internet routers, "smart homes," radio, and television sets). Moreover, medical diagnostic technologies such as "Magnetic Resonance Imaging" (MRI) use RF signals applied to the brain and the body, and this diagnostic procedure is considered free of deleterious effects. In fact, MRIs are considered safer than other medical diagnostic procedures using ionizing radiation (e.g., X-rays, CAT scans, PET scans, nuclear medicine).</p> <p>RF exposure guidelines identify RF exposure levels that are safe and permissible for the general public, and which do not result in any accumulated changes in biological systems. The safety of these guidelines is widely recognized as based on sound scientific results and principles. For example, the World Health Organization (WHO) characterizes the electromagnetic field (EMF) exposure guidelines developed by the International Commission on Non-Ionizing Radiation Protection (ICNIRP) as safe.</p> <p>"The main conclusion from the WHO reviews is that EMF exposures below the limits recommended in the ICNIRP international guidelines do not appear to have any known consequence on health."</p>	<p>https://www.who.int/teams/environment-climate-change-and-health/radiation-and-health/protection/policies/</p>
Question 3	<p>Please provide a thorough written response to my inquiry and make available upon request to the public as well as a verbal public response during the February 16, 2022 Informational Webinar on Small Cell Antenna Attachments. 1) Will the completed 5g network being built ultimately have the capability of being weaponized by US armed forces?</p>	<p>Questions derived from "Dangerous tech: Companies building 5G network that can be weaponized by US armed forces" written by Cassie B at 5GAlert.com dated 3/8/21</p>
Answer 3	<p>T-Mobile would first note that "5G" is a generation of wireless technology, and refers to standards for speed and latency. In this instance, T-Mobile's 5G network utilizes existing spectrum bands that have been utilized by other wireless operators and television broadcasters for decades. T-Mobile is unable to speak for the US military with respect to their use of spectrum and wireless services. However, T-Mobile can confirm that its own network, which operates on spectrum bands licensed to T-Mobile by the FCC, will (i) be operated at frequencies and power levels authorized by the FCC; (ii) comply with all applicable FCC guidelines, including OET Bulletin 65 for cumulative measurements of radio frequency power densities and electromagnetic fields; and (iii) comply at all times with current FCC regulations concerning interference with reception of licensed television and radio broadcasts or any public safety frequencies servicing the city and its residents.</p>	
Question 4	<p>2) Can a completed 5G network have the capability to assist espionage and control systems via killer drones or other types of war robots to identify, target and follow individuals based on facial recognition?</p>	
Answer 4	<p>See Answer to Question #3 regarding military concerns.</p>	
Question 5	<p>3) What assurance do we have that 5G technology will not be used as a form of espionage/control against Wellesley/US citizens falsely classified as domestic terrorists?</p>	
Answer 5	<p>See Answer to Question #3 regarding military concerns.</p>	
Question 6	<p>4) Does 5G technology have major implications in military capabilities, not just for the U.S., but also for its enemies?</p>	
Answer 6	<p>See Answer to Question #3 regarding military concerns.</p>	
Question 7	<p>5) Can a Wellesley citizen and/or neighborhood decline the installation of 5G antennas/networks? If so, how?</p>	
Answer 7	<p>No, a Wellesley resident or neighborhood cannot prohibit or prevent the MLP from locating a provider's antenna on a phone pole within the Town right of way. However, the MLP is willing to work with a neighborhood to relocate an antenna if a different location is preferable to the neighborhood as long as the new location still provides the necessary coverage.</p>	
Question 8	<p>1) For those of us in the town who are Verizon or AT&T customers, will we see an improvement in dropped calls and coverage?</p>	
Answer 8	<p>No, only T-Mobile customers will have improved coverage with our deployment.</p>	
Question 9	<p>2) Will our schools in town now have better access to mobile services in the event of an emergency?</p>	
Answer 9	<p>Yes, but no specific in-building coverage analysis has been done. T-Mobile would be happy to evaluate in-building coverage at specific critical locations if requested.</p>	
Question 10	<p>3) Assuming radiation is emitted from these antennas, how much more will be emitted and what is considered an acceptable level? What is the range?</p>	
Answer 10	<p>An EME study was performed that shows the additional energy from the radio waves from our antennas will be less than 3% of the FCC general public exposure limit at any accessible location - which would be ground level. Acceptable levels for general public exposure and occupational limits are established by the FCC.</p>	
Question 11	<p>4) Where will the antennas be placed and how long will installation take?</p>	
Answer 11	<p>Node deployment will begin within the next couple months and complete by June 30th.</p>	
Question 12	<p>5) Will these new antennas increase our wireless speeds and by how much?</p>	
Answer 12	<p>Yes, specific speeds depend on a number of factors including the handset capability, location of the user to the node and capacity or number of users at any given moment.</p>	
Question 13	<p>6) For devices we have in our homes like streaming TV services, will we need to make any modifications to our TV sets to benefit from the new antennas?</p>	
Answer 13	<p>No, T-Mobile streaming services will function as normal. Depending on user location speeds and latency should increase.</p>	
Question 14	<p>1. What's Wellesley's 5G implementation strategy and plan on the high level? If there is one, has the proposal been approved by the residents?</p>	
Answer 14	<p>10/1/2019 - ADVISORY Discussed Small Cell In Oper. Budget Presentation with Advisory SELECT BOARD/MLP Updates SB, discussed expanding cellular coverage in town REVIEW BOAED DRB review Pole Mounted Antenna Expansion</p> <p style="text-align: right;">12/2/2019 - 5/13/2020 - DESIGN</p>	
Question 15	<p>2. Why T-Mobile?</p>	
Answer 15	<p>RFP was released on 6/24/2019 responses were received by AT&T, T-Mobile and Verizon; AT&T was awarded initial contract voted on by MLB 1/27/2020, T-Mobile the second contract voted on by MLB on June 29, 2021;</p>	
Question 16	<p>3. Has the town done any independent evaluations on the risk of radiation for residents living close to the cells?</p>	
Answer 16	<p>T-Mobile's completed a EME report Analysis shows that the cumulative emissions (from all antennas over all transmission bands) from the proposed T-Mobile transmitters will comply with FCC limits for human exposure to RF energy at any place of public access. Maximum RF exposure levels at all ground level locations will be less than 3% of the FCC exposure limits for the general public.</p>	
Question 17	<p>4. Assuming this installation goes forward, will there be AT&T, Verizon, and other small cells coming along?</p>	

Answer 17	AT&T has completed their installation; Verizon did not answer RFP favorably.	
Question 18	<p>1. The MLP notification of Jan 26, indicates that the MLB has been authorized to negotiate an agreement with T-Mobile for the installation of 5G Antenna Attachments of utility poles, yet the letter also states that T-Mobile have begun work. (TMO)</p> <p>a. Have negotiations been completed already?</p> <p>b. What ability do residences of Wellesley have at this point to influence the installation either via modification to locations, or discontinuation of the project?</p> <p>c. What control, if any, does the town of Wellesley have regarding the wireless installations?</p> <p>d. What recurring fees/revenue does the town receive for use of public rights-of-way from the telecom company?</p>	
Answer 18	<p>1. January 27, 2020 the MLB authorized the Director to negotiate and execute an Agreement with AT&T for the deployment of 42 Small Cell Antenna Attachments on utility poles in Wellesley. Construction was completed and the system placed in service in December of 2020.</p> <p>June 29, 2021 The MLB authorized the Director to negotiate and execute an Agreement with T-Mobile for the deployment of 33 Small Cell Antenna Attachments on utility poles in Wellesley. The WMLP crews along with T-Mobile have begun make-ready work and will be installing the Small Cell equipment at the requested locations.</p> <p>a. Yes</p> <p>b. As stated earlier, if a neighborhood is dissatisfied with the location of an antenna and would like it relocated somewhere else within the neighborhood, the MLP is happy to consider such a request. However, such a relocation is contingent upon providing an acceptable level of service to that neighborhood.</p> <p>c. Not very much. The Federal Communications Commission issued an order in 2018 that requires, in short, that local governments cannot unreasonably discriminate among providers and "shall not prohibit" or have effect of prohibiting the provision of personal wireless services. Therefore, if the MLP did not take the proactive step of negotiating with the carriers, the carriers would have been free to install the same systems on private property and within our town right of way. It was because of that ruling that the MLP decided to issue an RFP so it could have some control over the process.</p> <p>d. The assessor would be in a better position to answer that question</p>	
Question 19	There are numerous videos on showing 5G cell towers bursting into flames. What are the risks to the community (health, infrastructure, communications) are related to such sudden fires?	
Answer 19	As mentioned above, it's important to reiterate that 5G simply means the "5th Generation of wireless technology" and refers to a standard of high speed and low latency (response times) for information transmittal. T-Mobile is building the core of our 5G network on two other types of spectrum that have already been in use – and in people's homes – for years. The first, (low band 600 Mhz spectrum), has been used by local television stations to broadcast TV shows into viewer's homes for decades. The second, (mid-band 2.5 Ghz spectrum), was previously used by Sprint's existing wireless network. With respect to fires related to cell towers generally, T-Mobile configures its wireless equipment on site in the safest way feasible to reduce risk of overheating.	
Question 20	Several studies have shown that home and rental prices can decline by as much as 20 percent as a result of proximity to wireless antennas. What measures are, or will be in place to compensate home owners for expected dramatic reduction in the values of their real property?	
Answer 20	T-Mobile is unaware of a specific study showing home prices declining up to 20%. However, in 2018, Valbridge Property Advisors conducted a property value studies in Boston, Dallas, Phoenix, and Raleigh to determine if the presence of wireless communications towers has an impact on single family residential property values. Valbridge is one of the largest property appraisal and valuation companies in the United States with local offices in each of the markets studied. Ultimately, Valbridge appraisals indicated there was no statistically significant impact. A majority of the property values in neighborhoods with cell towers are in line with a majority of the property values in areas without cell towers.▯	
Question 21	Recently, pleas from air carriers to the telecommunications industry to delay the roll out of 5G and not to place 5G cell towers near airports have made international news. The concerns of the airlines are due to interference in the 5G-C band creating a risk to planes and their passengers. Given this fact, what potential risks are there to the normal operations of existing residential infrastructure due to EMF interference?	
Answer 21	T-Mobile is not currently deploying C-Band to the small cells contemplated in this project. T-Mobile takes aviation safety seriously and, while it does not believe that use of C-Band spectrum will interfere with aircraft altimeters, it is engaged in additional testing to resolve any concerns prior to our deployment of C-band. C-Band spectrum licensed to T-Mobile is not available for deployment until EOY 2023 and is not impacted by the discussions related to early clearing spectrum available now to Verizon and AT&T. We also note that the concern being raised is not related to 5G technology itself, but to operations in C-band spectrum regardless of which generation of technology (3G, 4G, 5G) is deployed in that spectrum band. As noted, T-Mobile's 5G service is currently provided in spectrum that has been used for many years with no concerns by aviation.	
Question 22	It has been postulated that on potential cause of the worldwide decrease in bee populations is the prevalence of RF radiation produced by cell towers and phones. What is the potential EMF induced environmental effect to surrounding micro biome, flora, and fauna? What studies have been done?	
Answer 22	Some research studies have addressed possible effects of RF exposure on flora, fauna, and bees. Although a few suggestive responses have been reported, no deleterious effects have been established at the RF levels judged acceptable for general public exposure. Please see also the response to Question #2 referring to our society's extensive track record on using portions of the electromagnetic spectrum for communication, radio, and TV. Proximity to these transmitting antennas is not known to adversely affect nearby flora and fauna.	
Question 23	<p>A literature review on the health effects of RF-EMF at 5G frequencies reveals conflicting data regarding potential 5G related health effects. Several peer reviewed papers show findings sufficient to demonstrate the existence of biomedical effects to invoke caution. Such effects include altered gene expression, oxidative stress involved in the onset and progression of several cancers, metabolic, reproductive, neurodegenerative diseases and disturbances to vascular homeostasis. The WHO IARC classified RF-EMF as "possible carcinogenic to humans."</p> <p>The FCC, like the FDA is captured by the industries that it is supposed to regulate. In the case of the FDA, COVID 19 vaccines were given to a majority of the world's population under and EUA and without FDA approval or sufficient animal or long-term human testing. Recently several group life insurance companies have reported stunning increases in excess mortality among 18 to 64 year olds – non COVID related – on the order of 36-57%. For comparison 10% variation is a 3 sigma once in 200 year anomaly. Given the over 1 million adverse events and more than 23,000 US deaths reported due to the COVID vaccine in VAERS, a credible for hypothesis for the phenomenal and huge increase in excess deaths is that they are vaccine related. With regards to the vaccine injuries and death, the vaccine manufacturers have been given complete immunity from liability.</p> <p>In Dr. Peter A. Valberg's own words: "RF interaction may lead to temperature changes, re-orient proteins, distort proteins and cause membrane breakdown" (specifically at the blood brain barrier). In addition, a worldwide consortium of physicians and scientists from more than 35 countries has recommended a moratorium on 5G rollout pending further safety investigation.</p> <p>Given the above information, and the reckless global mass roll out of 5G, without long term biological testing, what recourse will the public have against utilities for compensation in the likely event of induced cancers, neurological and reproductive issues?</p> <p>Note: In the Securities and Exchange Commission filings (form 10-K), several telecom companies, such as, Verizon, Vodafone, AT&T and China Mobile have warned investors of potential losses due to lawsuits related to "a significant amount of litigation" requiring the payment of "significant damages or settlements" due to consumer class action lawsuits related to "health effects of wireless phones or radio frequency transmitters"</p> <p>Such SEC statements lend a great deal of credibility to the potential for future class action lawsuits against telecom companies for induced medical harm to those living in the vicinity of 5G cell towers.</p>	
Answer 23	<p>The quote regarding "Dr. Valberg's own words" appears to relate tangentially to a paper where several speculative effects of RF interactions with biology are raised and discussed. However, it's important to recognize that the central conclusion of this peer-reviewed publication written by Dr. Valberg and two research scientists from the World Health Organization is clearly stated in the abstract of the publication "As summarized here, these separate avenues of scientific investigation provide little support for adverse health effects arising from RF exposure at levels below current international standards."</p> <p>The main concept that's important to keep in mind is that the frequency of cell-telephone electromagnetic waves is in the "non-ionizing" portion of the electromagnetic spectrum, and the term "non-ionizing" specifically means that the energies of the waves are not sufficient to disrupt molecular bonds, or change the shape of proteins, or disrupt membranes. Of course, higher frequency portions of the electromagnetic spectrum, including x-rays and gamma-rays are in the "ionizing" portion of the electromagnetic spectrum, and can change chemical bonds.</p>	
Question 24	Millimeter waves in the 5G frequency band are used in directed energy and active dispersal weapons by the military. Very short exposure to such directed RF radiation beams, albeit at higher intensities, have been shown to disable or disperse a crowd in seconds or less. Like cooking food in a microwave on low power for a longer duration vs high power for a short duration, why is it not reasonable to expect biological or environment harm due to continuous long-term exposure from cell towers, when short exposures at similar frequencies but at higher energy can cause immediate discomfort or harm?	
Answer 24	<p>a. How much power could be focused on and transmitted to a specific individual? In other words, theoretically speaking, could 5G cell towers be used to target and harm individuals, inducing, for example heart attacks, or hypoxia due to 5G resonances with O2 or red blood cells preventing them from up taking oxygen?</p> <p>The FCC regulates radiofrequency emissions from all devices and equipment and has adopted the recommendations of expert scientific organizations that have reviewed the science and established safe exposure levels. The studies that we rely on are accepted by the scientific community worldwide. An analysis of the equipment to be deployed by T-Mobile for small cells in Wellesley shows that the cumulative emissions (from all antennas over all spectrum bands) from the proposed T-Mobile transmitters will comply with FCC limits for human exposure to radiofrequency energy at any place of public access. Maximum radiofrequency exposure levels at all ground level locations will be less than 3% of the FCC exposure limits for the general public.▯</p>	
Question 25	5G antenna are phased array radar transmitters. Phased array mm wave technology and radar are used for, among other things, mapping physical structures and tracking objects. What legislative protections are in place to ensure individual privacy and protection from violations of such privacy; for example, tracking and monitoring a person's movement both inside and outside the home?	
Answer 25	While T-Mobile does not have a specific response given the breadth of the issues raised in the question, T-Mobile takes customer privacy seriously and has numerous internal and external safeguards to ensure customer data is protected. T-Mobile privacy policy can be found online at www.t-mobile.com/privacy-center .▯	
Question 26	"It's before the FCC, so be careful and know all of the science." and " Before making such serious decisions you need to be on the right side of the science. Otherwise, you will make your job much more difficult when many of the researchers publicize what they have found." - No Specific question asked, just reference to article.	https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fchildrenshealthdefense.org%2Fwp-content%2Fuploads%2Fotard-signature-torjl.pdf&data=04%2C01%2CRichard.Bancroft%40T-Mobile.com%2FC68F30a562b724b3a65708d9dbd340ea%7Cbe989b0d8994b19b47bcb1a09b026c%2C0X%7C0%2FC63780011909367831%7CUnknwn%7CTWFPbGz3b3d8eyjWjoiM4wJAwMDAILCjOjV2luMzjILIBT
Answer 26	No Questions - just links.	

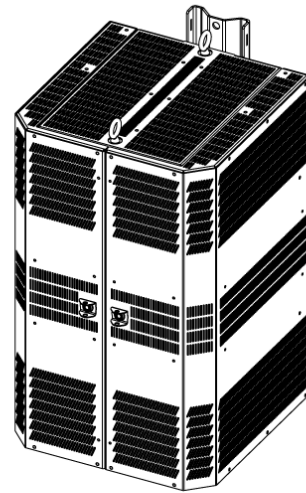
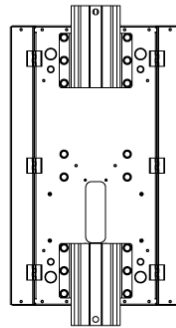
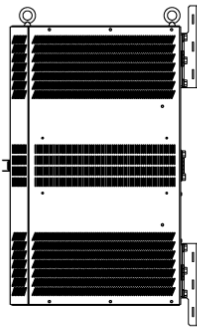
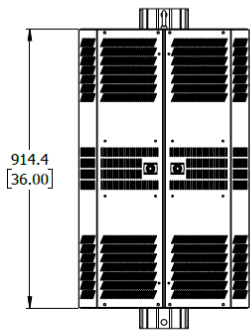
Question 27	<p>Even as a T-Mobile customer, I have to say I'm against installing the small cell antennas near the intersection of Ivy Rd. and Poplar Rd right outside my house which would subject my family to 24/7 radiation in such a short distance. As a telecommunication engineer myself who worked at Motorola specifically on cellphone telephony system design including antenna and base station systems, I have concerns with that piece of hardware hanging so close to my house. I can live with bad T-Mobile reception as a customer but not with an antenna beaming at my house as a Wellesley resident. -</p> <p>I urge you (and T-Mobile) to change the location of that antenna.</p>	
Answer 27	T-Mobile can confirm that all node locations will comply with the FCC general public and occupational exposure limits.	
Question 28	<p>I wanted to provide this information from the ncbi.nlm.nih.gov website prior to the Small cell Antenna Attachments Webinar</p> <p>"Evidence for a connection between coronavirus disease-19 and exposure to radiofrequency radiation from wireless communications including 5G" - No Specific question asked, just reference to article.</p>	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8580522/
Answer 28	No Questions - just link.	
Question 29	<p>I would like to present the following articles (links) as evidence that allowing our utility poles to be used as bases for T-Mobile, AT&T and other telecommunication companies will have adverse health affects on our Towns population.</p> <p>My question to the Companies. "Can you supply the town with a "peer reviewed" study that shows that all frequencies of radiation exposure from these small cells on poles has been examined and tested and is safe for the towns residents?"</p> <p>If not, I believe it would be a mistake by our town officials to go forward with these proposals. I hope Wellesley will make a stand against until further "peer reviewed" safety studies can be presented.</p>	<p>https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ncbi.nlm.nih.gov%2Fpmc%2Farticles%2FPMC7405337%2F&data=04%7C01%7CRichard.Bancroft%40T-Mobile.com%7Cee9b2f5465c41d5ce2d08d9f0afdf2c%7Cbe0f980bdd994b19bd7bb71a09b026c%7C0%7C0%7C637805461216237586%7CUnknown%7CTWFnbgZsh3d8eyWlIoIMC4wLAWMDAILCJQioiV2luMzllCB7I5ilk1haWwILCIXVCi6Mn0%3D%7C2000&sdata=5ka%28fndrH83EQv3ztlYDgOhR67kx1YTNPUJawWIEQA%3D&reserved=0</p> <p>https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ncbi.nlm.nih.gov%2Fpmc%2Farticles%2FPMC7405337%2F&data=04%7C01%7CRichard.Bancroft%40T-Mobile.com%7Cee9b2f5465c41d5ce2d08d9f0afdf2c%7Cbe0f980bdd994b19bd7bb71a09b026c%7C0%7C0%7C637805461216237586%7CUnknown%7CTWFnbgZsh3d8eyWlIoIMC4wLAWMDAILCJQioiV2luMzllCB7I5ilk1haWwILCIXVCi6Mn0%3D%7C2000&sdata=5ka%28fndrH83EQv3ztlYDgOhR67kx1YTNPUJawWIEQA%3D&reserved=0</p> <p>https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ncbi.nlm.nih.gov%2Fpmc%2Farticles%2FPMC7405337%2F&data=04%7C01%7CRichard.Bancroft%40T-Mobile.com%7Cee9b2f5465c41d5ce2d08d9f0afdf2c%7Cbe0f980bdd994b19bd7bb71a09b026c%7C0%7C0%7C637805461216237586%7CUnknown%7CTWFnbgZsh3d8eyWlIoIMC4wLAWMDAILCJQioiV2luMzllCB7I5ilk1haWwILCIXVCi6Mn0%3D%7C2000&sdata=5ka%28fndrH83EQv3ztlYDgOhR67kx1YTNPUJawWIEQA%3D&reserved=0</p> <p>https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ncbi.nlm.nih.gov%2Fpmc%2Farticles%2FPMC7405337%2F&data=04%7C01%7CRichard.Bancroft%40T-Mobile.com%7Cee9b2f5465c41d5ce2d08d9f0afdf2c%7Cbe0f980bdd994b19bd7bb71a09b026c%7C0%7C0%7C637805461216237586%7CUnknown%7CTWFnbgZsh3d8eyWlIoIMC4wLAWMDAILCJQioiV2luMzllCB7I5ilk1haWwILCIXVCi6Mn0%3D%7C2000&sdata=5ka%28fndrH83EQv3ztlYDgOhR67kx1YTNPUJawWIEQA%3D&reserved=0</p> <p>5 G wireless telecommunications expansion: Public health and environmental implications - PubMed</p> <p>5G and the IOT: Scientific Overview of Human Health Risks - Environmental Health Trust</p>
Answer 29	An EME study was performed that shows the additional energy from the radio waves from our antennas will be less than 3% of the FCC general public exposure limit at any accessible location – which would be ground level. Acceptable levels for general public exposure and occupational limits are established by the FCC.	
Question 30	We live right next to a pole where one of the T-Mobile boxes will be installed (Northgate and Weston Rd). Can you answer the following questions: - Can you provide historical data supporting that there are no adverse effects/risks associated with radiation from these small cell antenna attachments in densely populated neighborhoods?	
Answer 30	As stated previously, an EME study was performed that shows the additional energy from the radio waves from our antennas will be less than 3% of the FCC general public exposure limit at any accessible location – which would be ground level. Acceptable levels for general public exposure and occupational limits are established by the FCC.	
Question 31	What additional steps will T-Mobile and Town of Wellesley be taking to ensure that these boxes are checked and maintained regularly so as to avoid any kind of radiation leakage?	
Answer 31	The FCC requires that all cellular carriers follow the exposure guidelines and are subject to their review and oversight.	
Question 32	Once a T-Mobile box goes up on the pole by our house, will the Town limit any additional carriers from using the same pole for their small cell antenna attachments? We do not want to have multiple carriers on the same pole as then levels of radiation become of even greater concern.	
Answer 32	At this time, T-Mobile has no plans to collocate its small cell facilities with other wireless provider equipment.	
Questions 33	There is no conclusive evidence that cell phone antennas won't cause health problems. As American Cancer Society puts, "more research is needed to be sure". I'm concerned about putting these antennas in residential areas. Why wouldn't you put these antennas on existing towers or commercial buildings?	
Answer 33	T-Mobile does currently utilize existing towers and commercial buildings where feasible to address network needs. Town wide coverage require a combination of solutions due to the limitations of the terrain and availability of commercial buildings required to meet T-Mobile's coverage and capacity benchmarks.	
Questions 34	Can you talk to the roll out of TMO small cells around Wellesley? Specifically, will the roll out of multiple small cells in Wellesley ultimately reduce or eliminate the use of cell phone towers in Wellesley?	
Answer 34	T-Mobile does currently utilize existing towers and commercial buildings where feasible to address network needs. Town wide coverage require a combination of solutions due to the limitations of the terrain and availability of commercial buildings required to meet T-Mobile's coverage and capacity benchmarks.	
Questions 35	Can you provide photo with dimensions of the unit today ? (on line)	
Answer 35	Yes, see attachment.	



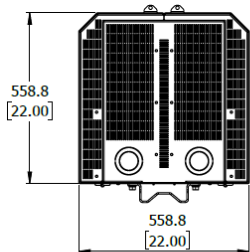
Shroud Volume
10.96 Cubic Feet



THIRD ANGLE PROJECTION		Raycap	
TOLERANCES <small>ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED</small> <small>ALL TOLERANCES ARE PER ANSI Y14.5 UNLESS OTHERWISE SPECIFIED</small> <small>ALL BENDINGS TO BE ± 1.0°</small>		DESCRIPTION SCP0051 - Shroud 48"x20"x20" - CRD	
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Shroud Volume
9.97 Cubic Feet



THIRD ANGLE PROJECTION		Raycap	
TOLERANCES <small>ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED</small> <small>ALL TOLERANCES ARE PER ANSI Y14.5 UNLESS OTHERWISE SPECIFIED</small> <small>ALL BENDINGS TO BE ± 1.0°</small>		DESCRIPTION RSCAC-1028 Shroud 36"x22"x22" - CRD	
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