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New *i*GR study forecasts the Total Addressable Market and the Actual Deployments of Indoor Small Cells in the U.S., including CBRS

Study also forecasts small cell deployments by sub-6 GHz, CBRS and mmWave spectrum bands

AUSTIN, Texas, June 12th, 20198 – Indoor small cells, which are essential to improve mobile coverage within commercial and residential buildings, have been slowed in the last few years by the difficulty in getting a signal source, such as a cellular base station, to the building. However, the introduction of CBRS changes that and puts an LTE signal source in the hands of anyone who can afford the equipment – and build out a network and connect to a SAS.

Indoor small cell solutions can include Distributed Antenna Systems (DAS), DAS Lite, picocells (enterprise small cells), femtocells (residential small cells) and cellular signal boosters. These solutions provide many benefits to enterprises, including more "bars" of voice and data coverage within all area of buildings, higher data throughput, and faster data connections. In other words, they provide an improved quality of experience for the mobile subscribers within a building.

What is the total addressable market for U.S. indoor small cells in the U.S. and how many indoor small cells are expected to be deployed in the next five years? *i*GR, a market research consultancy focused on the wireless and mobile industry, has recently published a new market study that answers these questions and also details the forecast of installed indoor small cell nodes by spectrum: sub-6 GHz, mmWave and CBRS.

"New models for deploying in-building wireless systems have recently emerged from third parties who are able to fund and build the systems without the MNOs," said Iain Gillott, president and founder of *i*GR. "Due to these new models and the availability of CBRS spectrum, *i*GR expects a growing number of in-building wireless solutions to be deployed to improve the mobile experience."

*i*GR's new market study, **U.S. Indoor Small Cells Forecast, 2018 – 2023: *The CBRS Kickstart***, provides a five-year total addressable market forecast and an "actual" forecast for U.S. indoor small cells, split by residential/commercial and by sub-6 GHz, mmWave and CBRS spectrum. In

addition, the study details different small cell technologies and the benefits and issues surrounding their deployment.

The following key questions are addressed in the new research study:

- What does indoor mean?
- What are indoor small cells?
- Where do small cells fit in the network?
- What are some of the perceived benefits and issues related to indoor small cells?
- What are the key drivers for using indoor small cells?
- What is the impact of edge computing and proptech on indoor small cell deployments?
- What are some of the perceived negatives and issues related to indoor small cells?
- What are the key barriers to indoor small cell adoption?
- How large is the total addressable market for indoor small cells?
- How many indoor small cells are expected to be deployed both residentially and commercially?
- What percentage of deployed indoor small cells will use sub-6 GHz, mmWave and CBRS spectrum bands?

The information in this market study will be valuable for:

- Mobile operators
- Infrastructure OEMs
- Small cell product and solution vendors
- Backhaul service providers and equipment OEMs
- Financial and investment analysts.

The new report can be purchased and downloaded directly from *iG*R's website at www.*iG*R-inc.com**.**

About *iG*R

*iG*R is a market strategy consultancy focused on the wireless and mobile communications industry. Founded by Iain Gillott, one of the wireless industry's leading analysts, in late 2000 as *iG*illottResearch, *iG*R is now in its nineteenth year of operation. *iG*R continuously researches emerging and existent technologies, technology industries, and consumer markets. We use our detailed research to offer a range of services to help companies improve their position in the marketplace, clearly define their future direction, and ultimately improve their bottom line.

*iG*R researches a range of wireless and mobile products and technologies, including: 5G, 4G LTE, smartphones, tablets, connected cars, V2X and V2V, mobile applications, bandwidth demand and use, 5G small cell and het-net architectures, 5G new core virtualization, mobile EPC and RAN virtualization, edge computing, in-building wireless, CBRS, mmWave, spectrum farming, DAS, VoLTE, macro-, pico- and femtocells, mobile front/backhaul, WiFi and WiFi offload.

A more complete profile of the company can be found at www.igr-inc.com.