



## TECHNOLOGY INTELLIGENCE SERVICE

# Mobile Backhaul & Microwave

Global, in-depth coverage of macrocell and small cell mobile backhaul, mobile fronthaul, microwave and millimeter wave equipment, vendors and operators

### Clients of this service will receive:

**Market trackers and market report** – Delivered in Excel and accompanied by written PDF analysis:

- **Microwave Network Equipment Market Tracker** – Forecasts, analysis and trends for the microwave equipment market
- **Macrocell Mobile Backhaul Equipment Market Tracker** – Forecasts, analysis and trends for backhaul equipment, connections and cell sites
- **Outdoor Small Cell Mobile Backhaul Equipment Market Tracker** – Forecasts, analysis and trends for outdoor small cell backhaul equipment
- **Mobile Fronthaul Equipment Market Report** – Forecasts, analysis and trends for mobile fronthaul, including common public radio interface (CPRI) optical and wireless solutions (PDF only)

**Market database** – Delivered in Excel:

- **Total Mobile Backhaul Database** (data only) – Combines data from the Macrocell and Small Cell Mobile Backhaul Equipment Market Trackers for a total view of the market

**Surveys** – Delivered in PDF:

- **Microwave Network Strategies & Vendor Leadership Survey** – Analyzes market trends and assesses the plans of operators using microwave equipment; includes ratings of equipment vendors
- **5G Transport Strategies Survey** – Analyzes market trends, performance requirements, technologies and evolution plans of transport network operators deploying x-haul solutions for mobile networks

**Scorecard** – Delivered in PDF:

- **Microwave Network Equipment Vendor Scorecard** – Profiles, analyzes and evaluates the leading vendors worldwide based on measurable data

## DELIVERABLES

- **Market trackers (3)**  
Worldwide and regional market size and share information, historic and forecasted through 2022
- **Market report (1)**  
Detailed examination of market and technical trends
- **Market database (1)**  
Data from two trackers (macrocell and small cell)
- **Surveys (2)**  
In-depth interviews with operators and/or service providers about their plans, drivers, opinions of equipment vendors, etc.
- **Scorecard (1)**  
Profiles and evaluations of the top revenue producers based on concrete data and metrics
- **Market insights**  
Analyst commentary on market shifts, technology and regional developments, vendors, events and more
- **Briefings**  
Quarterly scheduled briefings with analysts on research highlights from all aspects of the market
- **Analyst access**  
For prompt responses to urgent and unique questions

## Research coverage

Market trackers/report	Measures	Coverage
<b>Microwave Network Equipment</b> (quarterly)	Market share Revenue Units	<b>Microwave equipment</b> (Ethernet, dual Ethernet, V-band millimeter wave, E-band millimeter wave)  <b>By:</b> Spectrum, capacity, form factor, architecture, line of sight
<b>Macrocell Mobile Backhaul Equipment</b> (semi-annual)	Market share Revenue Connections	<b>Macrocell mobile backhaul equipment</b> (legacy TDM, WDM, EADs, IP edge routers, EPON/GPON/TWDM PON, ONTs/OLTs, microwave radio, satellite modems and routers, other wireline broadband)  <b>Installed macrocell backhaul connections</b> (copper, fiber, air)  <b>Installed cell sites by:</b> <ul style="list-style-type: none"> <li>- RAN type (2G only, 3G only, LTE, mixed 2G/3G/LTE)</li> <li>- Backhaul physical medium (copper, fiber, air)</li> </ul>
<b>Outdoor Small Cell Mobile Backhaul Equipment</b> (semi-annual)	Revenue Units New connections	<b>Outdoor small cell mobile backhaul equipment</b> (Ethernet copper, Ethernet fiber, other copper, other fiber, DSL modems and DSLAMs, sub 6GHz microwave, point-to-point microwave, point-to-multipoint microwave, V-band millimeter wave, E-band millimeter wave)  <b>Installed small cell sites by backhaul physical medium:</b> <ul style="list-style-type: none"> <li>- Outdoor (copper, fiber, air)</li> </ul>
<b>Mobile Fronthaul Equipment</b> (annual)	Revenue Units Connections	<b>Mobile fronthaul equipment</b> (CPRI-based fronthaul solutions including optical [OTN, WDM] and wireless [mmW])  <b>Installed mobile fronthaul connections</b> (optical, wireless)
Market database	Measures	Coverage
<b>Mobile Backhaul Market Database</b> (semi-annual)	Market share Revenue Units Connections	All equipment in the <i>Small Cell Mobile Backhaul</i> and <i>Macrocell Mobile Backhaul Market Trackers</i> , combined, for a total view of the market

## Research coverage (continued)

Other deliverables	Details
<b>Microwave Network Strategies &amp; Vendor Leadership Survey</b> (annual)	Interviews with knowledgeable purchase decision-makers at operators worldwide about microwave deployment plans, technologies, backhaul strategies, spectrum usage, product features and ratings of equipment vendors on key vendor selection criteria
<b>5G Transport Strategies Survey</b> (annual)	Interviews with knowledgeable purchase decision-makers at network operators worldwide about their 5G transport strategies, performance requirements and technology and evolution plans
<b>Microwave Network Equipment Vendor Scorecard</b> (annual)	Evaluates the top revenue-producing microwave equipment vendors on criteria using data and metrics, such as direct feedback from operators, vendor market share, market share momentum, financials, brand recognition, reputation for innovation and other benchmarks

Regions	Sample companies (see abstracts for full lists)
Worldwide	ADVA Fujitsu
North America (US and Canada)	Aviat Networks Huawei
Europe, the Middle East and Africa (EMEA)	Ceragon NEC
Asia Pacific (APAC), including Japan and Australia	Ciena Nokia
Caribbean and Latin America (CALA), including Mexico	Cisco Radwin
	DragonWave SIAE
	Ericsson ZTE

### Related research

[Mobile Infrastructure](#)

[SDN & NFV](#)

[Service Provider Network Economics](#)

[Service Provider Routing & Switching](#)

[Small Cells & Carrier Wi-Fi](#)

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